# IE 4000 MODBUS TCP Registers

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This document lists the IE 4000-specific read-only registers for IE 4000 models. MODBUS clients use them to communicate with a MODBUS server (the switch). There are no writable registers. For information about MODBUS TCP, see Configuring MODBUS TCP.

## IE-4000-4TC4G-E

### System Information Registers

**Table 1     IE-4000-4TC4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | " IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | " IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | " 15.2EA" | |
| 08C0 | 64 | Host name | R | Text | " IE4000" | **show running-config** privileged EXEC command |

**Table 1     IE-4000-4TC4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 2     System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

IE-4000-4TC4G-E

# Port Information Registers

**Table 3    IE-4000-4TC4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 1 | Port 1 State | R | Uint16 |
| 1201 | 1 | Port 2 State | R | Uint16 |
| 1202 | 1 | Port 3 State | R | Uint16 |
| 1203 | 1 | Port 4 State | R | Uint16 |
| 1204 | 1 | Port 5 State | R | Uint16 |
| 1205 | 1 | Port 6 State | R | Uint16 |
| 1206 | 1 | Port 7 State | R | Uint16 |
| 1207 | 1 | Port 8 State | R | Uint16 |
| 1208 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 120C | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 1210 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 1214 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1218 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 121C | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 1220 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 1224 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1228 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 122C | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1230 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1234 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1238 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 123C | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1240 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1244 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1248 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 124C | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |

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**Table 3    IE-4000-4TC4G-E Port Information Registers (continued)**

| 1250 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
|---|---|---|---|---|
| 1254 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 1258 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 125C | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1260 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1264 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 1268 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 126C | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1270 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1274 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 1278 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 127C | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1280 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1284 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 1286 | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1288 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 128A | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 128C | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 128E | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1290 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1292 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1294 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 1296 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 1298 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 129A | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 129C | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 129E | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 12A0 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 12A2 | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 12A4 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 12A6 | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 12A8 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 12AA | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 12AC | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 12AE | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 12B0 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 12B2 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 12B4 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |

**Table 3     IE-4000-4TC4G-E Port Information Registers (continued)**

| 12B6 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
|---|---|---|---|---|
| 12B8 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 12BA | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 12BC | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 12BE | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 12C0 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 12C2 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 12C4 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-8T4G-E

## System Information Registers

**Table 4     IE-4000-8T4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 5     System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---|---|---|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

# Port Information Registers

**Table 6     IE-4000-8T4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |

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**Table 6    IE-4000-8T4G-E Port Information Registers (continued)**

| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 12E4 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |

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**Table 6     IE-4000-8T4G-E Port Information Registers (continued)**

| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
|---|---|---|---|---|
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |

**Table 6     IE-4000-8T4G-E Port Information Registers (continued)**

| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
|---|---|---|---|---|
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-8S4G-E

## System Information Registers

**Table 7     IE-4000-8S4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |

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**Table 7      IE-4000-8S4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 8      System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

# Port Information Registers

**Table 9     IE-4000-8S4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 12E4 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |

**Table 9    IE-4000-8S4G-E Port Information Registers (continued)**

| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |

**Table 9      IE-4000-8S4G-E Port Information Registers (continued)**

| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
|---|---|---|---|---|
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |

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**Table 9      IE-4000-8S4G-E Port Information Registers (continued)**

| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
|------|---|------------------------------------------|---|--------|
| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-4T4P4G-E

## System Information Registers

**Table 10      IE-4000-4T4P4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

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**Table 10    IE-4000-4T4P4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 11    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---|---|---|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

## Port Information Registers

**Table 12    IE-4000-4T4P4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 12E4 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |

**Table 12    IE-4000-4T4P4G-E Port Information Registers (continued)**

| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |

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**Table 12    IE-4000-4T4P4G-E Port Information Registers (continued)**

| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
|---|---|---|---|---|
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |

**Table 12    IE-4000-4T4P4G-E Port Information Registers (continued)**

| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
|---|---|---|---|---|
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-16T4G-E

## System Information Registers

**Table 13    IE-4000-16T4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

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**Table 13    IE-4000-16T4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 14    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

# Port Information Registers

**Table 15    IE-4000-16T4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 1300 | 64 | Port 13 Name | R | Text |
| 1340 | 64 | Port 14 Name | R | Text |
| 1380 | 64 | Port 15 Name | R | Text |
| 13C0 | 64 | Port 16 Name | R | Text |
| 1400 | 64 | Port 17 Name | R | Text |
| 1440 | 64 | Port 18 Name | R | Text |
| 1480 | 64 | Port 19 Name | R | Text |
| 14C0 | 64 | Port 20 Name | R | Text |
| 1500 | 1 | Port 1 State | R | Uint16 |
| 1501 | 1 | Port 2 State | R | Uint16 |
| 1502 | 1 | Port 3 State | R | Uint16 |
| 1503 | 1 | Port 4 State | R | Uint16 |
| 1504 | 1 | Port 5 State | R | Uint16 |
| 1505 | 1 | Port 6 State | R | Uint16 |
| 1506 | 1 | Port 7 State | R | Uint16 |
| 1507 | 1 | Port 8 State | R | Uint16 |
| 1508 | 1 | Port 9 State | R | Uint16 |
| 1509 | 1 | Port 10 State | R | Uint16 |
| 150a | 1 | Port 11 State | R | Uint16 |
| 150b | 1 | Port 12 State | R | Uint16 |
| 150c | 1 | Port 13 State | R | Uint64 |
| 150d | 1 | Port 14 State | R | Uint64 |

**Table 15    IE-4000-16T4G-E Port Information Registers (continued)**

| 150e | 1 | Port 15 State | R | Uint64 |
|---|---|---|---|---|
| 150f | 1 | Port 16 State | R | Uint64 |
| 1510 | 1 | Port 17 State | R | Uint64 |
| 1511 | 1 | Port 18 State | R | Uint64 |
| 1512 | 1 | Port 19 State | R | Uint64 |
| 1513 | 1 | Port 20 State | R | Uint64 |
| 1514 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 1518 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 151c | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 1520 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1524 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 1528 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 152c | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 1530 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1534 | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 1538 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 153c | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 1540 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 1544 | 4 | Port 13  Statistics – Number of packets received | R | Uint64 |
| 1548 | 4 | Port 14  Statistics – Number of packets received | R | Uint64 |
| 154c | 4 | Port 15  Statistics – Number of packets received | R | Uint64 |
| 1550 | 4 | Port 16  Statistics – Number of packets received | R | Uint64 |
| 1554 | 4 | Port 17  Statistics – Number of packets received | R | Uint64 |
| 1558 | 4 | Port 18  Statistics – Number of packets received | R | Uint64 |
| 155c | 4 | Port 19  Statistics – Number of packets received | R | Uint64 |
| 1560 | 4 | Port 20  Statistics – Number of packets received | R | Uint64 |
| 1564 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1568 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 156c | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1570 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1574 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1578 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 157c | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1580 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1584 | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1588 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 158c | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1590 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |

**Table 15    IE-4000-16T4G-E Port Information Registers (continued)**

| 1594 | 4 | Port 13 Statistics – Number of packets sent | R | Uint64 |
|---|---|---|---|---|
| 1598 | 4 | Port 14 Statistics – Number of packets sent | R | Uint64 |
| 159c | 4 | Port 15 Statistics – Number of packets sent | R | Uint64 |
| 15a0 | 4 | Port 16 Statistics – Number of packets sent | R | Uint64 |
| 15a4 | 4 | Port 17 Statistics – Number of packets sent | R | Uint64 |
| 15a8 | 4 | Port 18 Statistics – Number of packets sent | R | Uint64 |
| 15ac | 4 | Port 19 Statistics – Number of packets sent | R | Uint64 |
| 15b0 | 4 | Port 20 Statistics – Number of packets sent | R | Uint64 |
| 15b4 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 15b8 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 15bc | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 15c0 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 15c4 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 15c8 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 15cc | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 15d0 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 15d4 | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 15d8 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 15dc | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 15E0 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 15E4 | 4 | Port 13  Statistics – Number of bytes received | R | Uint64 |
| 15E8 | 4 | Port 14  Statistics – Number of bytes received | R | Uint64 |
| 15ec | 4 | Port 15  Statistics – Number of bytes received | R | Uint64 |
| 15f0 | 4 | Port 16  Statistics – Number of bytes received | R | Uint64 |
| 15f4 | 4 | Port 17  Statistics – Number of bytes received | R | Uint64 |
| 15f8 | 4 | Port 18  Statistics – Number of bytes received | R | Uint64 |
| 15fc | 4 | Port 19  Statistics – Number of bytes received | R | Uint64 |
| 1600 | 4 | Port 20  Statistics – Number of bytes received | R | Uint64 |
| 1604 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1608 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 160c | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1610 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 1614 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1618 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 161c | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1620 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 1624 | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |

**Table 15    IE-4000-16T4G-E Port Information Registers (continued)**

| 1628 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
|---|---|---|---|---|
| 162c | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1630 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 1634 | 4 | Port 13 Statistics – Number of bytes sent | R | Uint64 |
| 1638 | 4 | Port 14 Statistics – Number of bytes sent | R | Uint64 |
| 163c | 4 | Port 15 Statistics – Number of bytes sent | R | Uint64 |
| 1640 | 4 | Port 16 Statistics – Number of bytes sent | R | Uint64 |
| 1644 | 4 | Port 17 Statistics – Number of bytes sent | R | Uint64 |
| 1648 | 4 | Port 18 Statistics – Number of bytes sent | R | Uint64 |
| 164c | 4 | Port 19 Statistics – Number of bytes sent | R | Uint64 |
| 1650 | 4 | Port 20 Statistics – Number of bytes sent | R | Uint64 |
| 1652 | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1654 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 1656 | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1658 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 165a | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 165c | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 165e | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1660 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 1662 | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 1664 | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 1666 | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 1668 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 166a | 2 | Port 13 Statistics – Number of packets received | R | Uint32 |
| 166c | 2 | Port 14 Statistics – Number of packets received | R | Uint32 |
| 166e | 2 | Port 15 Statistics – Number of packets received | R | Uint32 |
| 1670 | 2 | Port 16 Statistics – Number of packets received | R | Uint32 |
| 1672 | 2 | Port 17 Statistics – Number of packets received | R | Uint32 |
| 1674 | 2 | Port 18 Statistics – Number of packets received | R | Uint32 |
| 1676 | 2 | Port 19 Statistics – Number of packets received | R | Uint32 |
| 1678 | 2 | Port 20 Statistics – Number of packets received | R | Uint32 |
| 167a | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 167c | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 167e | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 1680 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 1682 | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 1684 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 1686 | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |

**Table 15    IE-4000-16T4G-E Port Information Registers (continued)**

| 1688 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
|---|---|---|---|---|
| 168a | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 168c | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 168e | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 1690 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 1692 | 2 | Port 13 Statistics – Number of packets sent | R | Uint32 |
| 1694 | 2 | Port 14 Statistics – Number of packets sent | R | Uint32 |
| 1696 | 2 | Port 15 Statistics – Number of packets sent | R | Uint32 |
| 1698 | 2 | Port 16 Statistics – Number of packets sent | R | Uint32 |
| 169a | 2 | Port 17 Statistics – Number of packets sent | R | Uint32 |
| 169c | 2 | Port 18 Statistics – Number of packets sent | R | Uint32 |
| 169e | 2 | Port 19 Statistics – Number of packets sent | R | Uint32 |
| 16a0 | 2 | Port 20 Statistics – Number of packets sent | R | Uint32 |
| 16a2 | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 16a4 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 16a6 | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 16a8 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 16aa | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 16ac | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 16ae | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 16b0 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 16b2 | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 16b4 | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 16b6 | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 16b8 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 16ba | 2 | Port 13 Statistics – Number of bytes received | R | Uint32 |
| 16bc | 2 | Port 14 Statistics – Number of bytes received | R | Uint32 |
| 16be | 2 | Port 15 Statistics – Number of bytes received | R | Uint32 |
| 16c0 | 2 | Port 16 Statistics – Number of bytes received | R | Uint32 |
| 16c2 | 2 | Port 17 Statistics – Number of bytes received | R | Uint32 |
| 16c4 | 2 | Port 18 Statistics – Number of bytes received | R | Uint32 |
| 16c6 | 2 | Port 19 Statistics – Number of bytes received | R | Uint32 |
| 16c8 | 2 | Port 20 Statistics – Number of bytes received | R | Uint32 |
| 16ca | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 16cc | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 16ce | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 16d0 | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |

**Table 15    IE-4000-16T4G-E Port Information Registers (continued)**

| 16d2 | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
|---|---|---|---|---|
| 16d4 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 16d6 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 16d8 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 16da | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 16dc | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 16de | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 13 Statistics – Number of bytes sent | R | Uint32 |
| 16e2 | 2 | Port 14 Statistics – Number of bytes sent | R | Uint32 |
| 16e4 | 2 | Port 15 Statistics – Number of bytes sent | R | Uint32 |
| 16e8 | 2 | Port 16 Statistics – Number of bytes sent | R | Uint32 |
| 16ea | 2 | Port 17 Statistics – Number of bytes sent | R | Uint32 |
| 16ec | 2 | Port 18 Statistics – Number of bytes sent | R | Uint32 |
| 16ee | 2 | Port 19 Statistics – Number of bytes sent | R | Uint32 |
| 16f0 | 2 | Port 20 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-4S8P4G-E

## System Information Registers

**Table 16    IE-4000-4S8P4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-8S4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0F | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 17    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---|---|---|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

## Port Information Registers

**Table 18    IE-4000-4S8P4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 1300 | 64 | Port 13 Name | R | Text |
| 1340 | 64 | Port 14 Name | R | Text |
| 1380 | 64 | Port 15 Name | R | Text |
| 13C0 | 64 | Port 16 Name | R | Text |
| 1400 | 1 | Port 1 State | R | Uint16 |
| 1401 | 1 | Port 2 State | R | Uint16 |
| 1402 | 1 | Port 3 State | R | Uint16 |
| 1403 | 1 | Port 4 State | R | Uint16 |
| 1404 | 1 | Port 5 State | R | Uint16 |
| 1405 | 1 | Port 6 State | R | Uint16 |
| 1406 | 1 | Port 7 State | R | Uint16 |
| 1407 | 1 | Port 8 State | R | Uint16 |
| 1408 | 1 | Port 9 State | R | Uint16 |
| 1409 | 1 | Port 10 State | R | Uint16 |
| 140a | 1 | Port 11 State | R | Uint16 |
| 140b | 1 | Port 12 State | R | Uint16 |
| 140c | 1 | Port 13 State | R | Uint64 |
| 140d | 1 | Port 14 State | R | Uint64 |
| 140e | 1 | Port 15 State | R | Uint64 |
| 140f | 1 | Port 16 State | R | Uint64 |
| 1410 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 1414 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 1418 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 141c | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1420 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |

**Table 18    IE-4000-4S8P4G-E Port Information Registers (continued)**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1424 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 1428 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 142c | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1430 | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 1434 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 1438 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 143c | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 1440 | 4 | Port 13  Statistics – Number of packets received | R | Uint64 |
| 1444 | 4 | Port 14  Statistics – Number of packets received | R | Uint64 |
| 1448 | 4 | Port 15  Statistics – Number of packets received | R | Uint64 |
| 144c | 4 | Port 16  Statistics – Number of packets received | R | Uint64 |
| 1450 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1454 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1458 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 145c | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1460 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1464 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1468 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 146c | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1470 | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1474 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1478 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 147c | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 1480 | 4 | Port 13 Statistics – Number of packets sent | R | Uint64 |
| 1484 | 4 | Port 14 Statistics – Number of packets sent | R | Uint64 |
| 1488 | 4 | Port 15 Statistics – Number of packets sent | R | Uint64 |
| 148c | 4 | Port 16 Statistics – Number of packets sent | R | Uint64 |
| 1490 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1494 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1498 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 149c | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 14a0 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 14a4 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 14a8 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 14ac | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 14b0 | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 14b4 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |

**Table 18    IE-4000-4S8P4G-E Port Information Registers (continued)**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 14b8 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 14bc | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 14c0 | 4 | Port 13  Statistics – Number of bytes received | R | Uint64 |
| 14c4 | 4 | Port 14  Statistics – Number of bytes received | R | Uint64 |
| 14c8 | 4 | Port 15  Statistics – Number of bytes received | R | Uint64 |
| 14cc | 4 | Port 16  Statistics – Number of bytes received | R | Uint64 |
| 14D0 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 14d4 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 14d8 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 14dc | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 14E0 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 14E4 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 14e8 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 14ec | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 14f0 | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 14f4 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 14f8 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 14fc | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 1500 | 4 | Port 13 Statistics – Number of bytes sent | R | Uint64 |
| 1504 | 4 | Port 14 Statistics – Number of bytes sent | R | Uint64 |
| 1508 | 4 | Port 15 Statistics – Number of bytes sent | R | Uint64 |
| 150c | 4 | Port 16 Statistics – Number of bytes sent | R | Uint64 |
| 150E | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1510 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 1512 | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1514 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1516 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1518 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 151a | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 151c | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 151e | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 1520 | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 1522 | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 1524 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 1526 | 2 | Port 13 Statistics – Number of packets received | R | Uint32 |
| 1528 | 2 | Port 14 Statistics – Number of packets received | R | Uint32 |
| 152a | 2 | Port 15 Statistics – Number of packets received | R | Uint32 |
| 152c | 2 | Port 16 Statistics – Number of packets received | R | Uint32 |

**Table 18    IE-4000-4S8P4G-E Port Information Registers (continued)**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 152E | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 1530 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 1532 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 1534 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 1536 | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 1538 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 153a | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 153c | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 153e | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 1540 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 1542 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 1544 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 1546 | 2 | Port 13 Statistics – Number of packets sent | R | Uint32 |
| 1548 | 2 | Port 14 Statistics – Number of packets sent | R | Uint32 |
| 154a | 2 | Port 15 Statistics – Number of packets sent | R | Uint32 |
| 154c | 2 | Port 16 Statistics – Number of packets sent | R | Uint32 |
| 154E | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 1550 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 1552 | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 1554 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 1556 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 1558 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 155a | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 155c | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 155e | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 1560 | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 1562 | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 1564 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 1566 | 2 | Port 13 Statistics – Number of bytes received | R | Uint32 |
| 1568 | 2 | Port 14 Statistics – Number of bytes received | R | Uint32 |
| 156a | 2 | Port 15 Statistics – Number of bytes received | R | Uint32 |
| 156c | 2 | Port 16 Statistics – Number of bytes received | R | Uint32 |
| 156E | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 1570 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 1572 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 1574 | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 1576 | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |

**Table 18    IE-4000-4S8P4G-E Port Information Registers (continued)**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1578 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 157a | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 157c | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 157e | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 1580 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 1582 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 1584 | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |
| 1586 | 2 | Port 13 Statistics – Number of bytes sent | R | Uint32 |
| 1588 | 2 | Port 14 Statistics – Number of bytes sent | R | Uint32 |
| 158a | 2 | Port 15 Statistics – Number of bytes sent | R | Uint32 |
| 158c | 2 | Port 16 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-8GT4G-E

## System Information Registers

**Table 19    IE-4000-8GT4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

**Table 19    IE-4000-8GT4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|--------------------|-------------|-----|--------|--------------|-------------|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 20    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

## Port Information Registers

**Table 21    IE-4000-8GT4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 12E4 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |

**Table 21    IE-4000-8GT4G-E Port Information Registers (continued)**

| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |

**Table 21    IE-4000-8GT4G-E Port Information Registers (continued)**

| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
|------|---|-----------------------------------------------|---|--------|
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |

**Table 21    IE-4000-8GT4G-E Port Information Registers (continued)**

| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
|------|---|------------------------------------------|---|--------|
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-8GS4G-E

## System Information Registers

**Table 22    IE-4000-8GS4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

**Table 22     IE-4000-8GS4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 23     System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---|---|---|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

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# Port Information Registers

**Table 24    IE-4000-8GS4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 120000 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |

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**Table 24    IE-4000-8GS4G-E Port Information Registers (continued)**

| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
|------|---|--------------------------------------------------|---|--------|
| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |

**Table 24    IE-4000-8GS4G-E Port Information Registers (continued)**

| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
|---|---|---|---|---|
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |

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**Table 24    IE-4000-8GS4G-E Port Information Registers (continued)**

| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
|------|---|-------------------------------------------|---|--------|
| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-4GC4GP4G-E

## System Information Registers

**Table 25    IE-4000-4GC4GP4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

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**Table 25    IE-4000-4GC4GP4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|--------------------|-------------|-----|--------|--------------|-------------|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 26    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

## Port Information Registers

**Table 27    IE-4000-4GC4GP4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 12C1 | 1 | Port 1 State | R | Uint16 |
| 12C2 | 1 | Port 2 State | R | Uint16 |
| 12C2 | 1 | Port 3 State | R | Uint16 |
| 12C3 | 1 | Port 4 State | R | Uint16 |
| 12C4 | 1 | Port 5 State | R | Uint16 |
| 12C5 | 1 | Port 6 State | R | Uint16 |
| 12C6 | 1 | Port 7 State | R | Uint16 |
| 12C7 | 1 | Port 8 State | R | Uint16 |
| 12C8 | 1 | Port 9 State | R | Uint16 |
| 12C9 | 1 | Port 10 State | R | Uint16 |
| 12CA | 1 | Port 11 State | R | Uint16 |
| 12CB | 1 | Port 12 State | R | Uint16 |
| 12CC | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 12D0 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 12D4 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 12D8 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 12DC | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 12E0 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 120000 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 12E8 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 12EC | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 12F0 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 12F4 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |

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**Table 27    IE-4000-4GC4GP4G-E Port Information Registers (continued)**

| 12F8 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 12FC | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1300 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1304 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1308 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 130C | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1310 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1314 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1318 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 131C | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1320 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1324 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1328 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 132C | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1330 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1334 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 1338 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 133C | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 1340 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 1344 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 1348 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 134C | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 1350 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 1354 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 1358 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 135C | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1360 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 1364 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1368 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 136C | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1370 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 1374 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1378 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 137C | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1380 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 1384 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1388 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |

**Table 27    IE-4000-4GC4GP4G-E Port Information Registers (continued)**

| 138A | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
|---|---|---|---|---|
| 138C | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 138E | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1390 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1392 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1394 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 1396 | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1398 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 139A | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 139C | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 139E | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 13A0 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 13A2 | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 13A4 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 13A6 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 13A8 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 13AA | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 13AC | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 13AE | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 13B0 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 13B2 | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 13B4 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 13B6 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 13B8 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 13BA | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 13BC | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 13BE | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 13C0 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 13C2 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 13C4 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 13C6 | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 13C8 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 13CA | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 13CC | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 13CE | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 13D0 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 13D2 | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 13D4 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |

**Table 27    IE-4000-4GC4GP4G-E Port Information Registers (continued)**

| 13D8 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
|------|---|------------------------------------------|---|--------|
| 13DA | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 13DC | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 13DE | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 13E0 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 13E2 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 13E4 | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 13E6 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 13E8 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 13EA | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-16GT4G-E

## System Information Registers

**Table 28    IE-4000-16GT4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |

IE-4000-16GT4G-E

**Table 28     IE-4000-16GT4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 29     System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

IE-4000-16GT4G-E

# Port Information Registers

**Table 30    IE-4000-16GT4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 1300 | 64 | Port 13 Name | R | Text |
| 1340 | 64 | Port 14 Name | R | Text |
| 1380 | 64 | Port 15 Name | R | Text |
| 13C0 | 64 | Port 16 Name | R | Text |
| 1400 | 64 | Port 17 Name | R | Text |
| 1440 | 64 | Port 18 Name | R | Text |
| 1480 | 64 | Port 19 Name | R | Text |
| 14C0 | 64 | Port 20 Name | R | Text |
| 1500 | 1 | Port 1 State | R | Uint16 |
| 1501 | 1 | Port 2 State | R | Uint16 |
| 1502 | 1 | Port 3 State | R | Uint16 |
| 1503 | 1 | Port 4 State | R | Uint16 |
| 1504 | 1 | Port 5 State | R | Uint16 |
| 1505 | 1 | Port 6 State | R | Uint16 |
| 1506 | 1 | Port 7 State | R | Uint16 |
| 1507 | 1 | Port 8 State | R | Uint16 |
| 1508 | 1 | Port 9 State | R | Uint16 |
| 1509 | 1 | Port 10 State | R | Uint16 |
| 150a | 1 | Port 11 State | R | Uint16 |
| 150b | 1 | Port 12 State | R | Uint16 |
| 150c | 1 | Port 13 State | R | Uint64 |
| 150d | 1 | Port 14 State | R | Uint64 |

**Table 30    IE-4000-16GT4G-E Port Information Registers (continued)**

| 150e | 1 | Port 15 State | R | Uint64 |
|---|---|---|---|---|
| 150f | 1 | Port 16 State | R | Uint64 |
| 1510 | 1 | Port 17 State | R | Uint64 |
| 1511 | 1 | Port 18 State | R | Uint64 |
| 1512 | 1 | Port 19 State | R | Uint64 |
| 1513 | 1 | Port 20 State | R | Uint64 |
| 1514 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 1518 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 151c | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 1520 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1524 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 1528 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 152c | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 1530 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1534 | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 1538 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 153c | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 1540 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 1544 | 4 | Port 13 Statistics – Number of packets received | R | Uint64 |
| 1548 | 4 | Port 14 Statistics – Number of packets received | R | Uint64 |
| 154c | 4 | Port 15 Statistics – Number of packets received | R | Uint64 |
| 1550 | 4 | Port 16 Statistics – Number of packets received | R | Uint64 |
| 1554 | 4 | Port 17 Statistics – Number of packets received | R | Uint64 |
| 1558 | 4 | Port 18 Statistics – Number of packets received | R | Uint64 |
| 155c | 4 | Port 19 Statistics – Number of packets received | R | Uint64 |
| 1560 | 4 | Port 20 Statistics – Number of packets received | R | Uint64 |
| 1564 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1568 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 156c | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1570 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1574 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1578 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 157c | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1580 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1584 | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1588 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 158c | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1590 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |

**Table 30    IE-4000-16GT4G-E Port Information Registers (continued)**

| 1594 | 4 | Port 13 Statistics – Number of packets sent | R | Uint64 |
|---|---|---|---|---|
| 1598 | 4 | Port 14 Statistics – Number of packets sent | R | Uint64 |
| 159c | 4 | Port 15 Statistics – Number of packets sent | R | Uint64 |
| 15a0 | 4 | Port 16 Statistics – Number of packets sent | R | Uint64 |
| 15a4 | 4 | Port 17 Statistics – Number of packets sent | R | Uint64 |
| 15a8 | 4 | Port 18 Statistics – Number of packets sent | R | Uint64 |
| 15ac | 4 | Port 19 Statistics – Number of packets sent | R | Uint64 |
| 15b0 | 4 | Port 20 Statistics – Number of packets sent | R | Uint64 |
| 15b4 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 15b8 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 15bc | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 15c0 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 15c4 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 15c8 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 15cc | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 15d0 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 15d4 | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 15d8 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 15dc | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 15E0 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 15E4 | 4 | Port 13  Statistics – Number of bytes received | R | Uint64 |
| 15E8 | 4 | Port 14  Statistics – Number of bytes received | R | Uint64 |
| 15ec | 4 | Port 15  Statistics – Number of bytes received | R | Uint64 |
| 15f0 | 4 | Port 16  Statistics – Number of bytes received | R | Uint64 |
| 15f4 | 4 | Port 17  Statistics – Number of bytes received | R | Uint64 |
| 15f8 | 4 | Port 18  Statistics – Number of bytes received | R | Uint64 |
| 15fc | 4 | Port 19  Statistics – Number of bytes received | R | Uint64 |
| 1600 | 4 | Port 20  Statistics – Number of bytes received | R | Uint64 |
| 1604 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1608 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 160c | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1610 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 1614 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1618 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 161c | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1620 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 1624 | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |

**Table 30    IE-4000-16GT4G-E Port Information Registers (continued)**

| 1628 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
|---|---|---|---|---|
| 162c | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 1630 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 1634 | 4 | Port 13 Statistics – Number of bytes sent | R | Uint64 |
| 1638 | 4 | Port 14 Statistics – Number of bytes sent | R | Uint64 |
| 163c | 4 | Port 15 Statistics – Number of bytes sent | R | Uint64 |
| 1640 | 4 | Port 16 Statistics – Number of bytes sent | R | Uint64 |
| 1644 | 4 | Port 17 Statistics – Number of bytes sent | R | Uint64 |
| 1648 | 4 | Port 18 Statistics – Number of bytes sent | R | Uint64 |
| 164c | 4 | Port 19 Statistics – Number of bytes sent | R | Uint64 |
| 1650 | 4 | Port 20 Statistics – Number of bytes sent | R | Uint64 |
| 1652 | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1654 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 1656 | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1658 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 165a | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 165c | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 165e | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1660 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 1662 | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 1664 | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 1666 | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 1668 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 166a | 2 | Port 13 Statistics – Number of packets received | R | Uint32 |
| 166c | 2 | Port 14 Statistics – Number of packets received | R | Uint32 |
| 166e | 2 | Port 15 Statistics – Number of packets received | R | Uint32 |
| 1670 | 2 | Port 16 Statistics – Number of packets received | R | Uint32 |
| 1672 | 2 | Port 17 Statistics – Number of packets received | R | Uint32 |
| 1674 | 2 | Port 18 Statistics – Number of packets received | R | Uint32 |
| 1676 | 2 | Port 19 Statistics – Number of packets received | R | Uint32 |
| 1678 | 2 | Port 20 Statistics – Number of packets received | R | Uint32 |
| 167a | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 167c | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 167e | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 1680 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 1682 | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 1684 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 1686 | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |

**Table 30    IE-4000-16GT4G-E Port Information Registers (continued)**

| 1688 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
|---|---|---|---|---|
| 168a | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 168c | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 168e | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 1690 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 1692 | 2 | Port 13 Statistics – Number of packets sent | R | Uint32 |
| 1694 | 2 | Port 14 Statistics – Number of packets sent | R | Uint32 |
| 1696 | 2 | Port 15 Statistics – Number of packets sent | R | Uint32 |
| 1698 | 2 | Port 16 Statistics – Number of packets sent | R | Uint32 |
| 169a | 2 | Port 17 Statistics – Number of packets sent | R | Uint32 |
| 169c | 2 | Port 18 Statistics – Number of packets sent | R | Uint32 |
| 169e | 2 | Port 19 Statistics – Number of packets sent | R | Uint32 |
| 16a0 | 2 | Port 20 Statistics – Number of packets sent | R | Uint32 |
| 16a2 | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 16a4 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 16a6 | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 16a8 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 16aa | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 16ac | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 16ae | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 16b0 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 16b2 | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 16b4 | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 16b6 | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 16b8 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 16ba | 2 | Port 13 Statistics – Number of bytes received | R | Uint32 |
| 16bc | 2 | Port 14 Statistics – Number of bytes received | R | Uint32 |
| 16be | 2 | Port 15 Statistics – Number of bytes received | R | Uint32 |
| 16c0 | 2 | Port 16 Statistics – Number of bytes received | R | Uint32 |
| 16c2 | 2 | Port 17 Statistics – Number of bytes received | R | Uint32 |
| 16c4 | 2 | Port 18 Statistics – Number of bytes received | R | Uint32 |
| 16c6 | 2 | Port 19 Statistics – Number of bytes received | R | Uint32 |
| 16c8 | 2 | Port 20 Statistics – Number of bytes received | R | Uint32 |
| 16ca | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 16cc | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 16ce | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 16d0 | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |

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**Table 30    IE-4000-16GT4G-E Port Information Registers (continued)**

| 16d2 | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
|------|---|-------------------------------------------|---|--------|
| 16d4 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 16d6 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 16d8 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 16da | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 16dc | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 16de | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 13 Statistics – Number of bytes sent | R | Uint32 |
| 16e2 | 2 | Port 14 Statistics – Number of bytes sent | R | Uint32 |
| 16e4 | 2 | Port 15 Statistics – Number of bytes sent | R | Uint32 |
| 16e8 | 2 | Port 16 Statistics – Number of bytes sent | R | Uint32 |
| 16ea | 2 | Port 17 Statistics – Number of bytes sent | R | Uint32 |
| 16ec | 2 | Port 18 Statistics – Number of bytes sent | R | Uint32 |
| 16ee | 2 | Port 19 Statistics – Number of bytes sent | R | Uint32 |
| 16f0 | 2 | Port 20 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-8GT8GP4G-E

## System Information Registers

**Table 31    IE-4000-8GT8GP4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |

**Table 31    IE-4000-8GT8GP4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 32    System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

## Port Information Registers

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 1300 | 64 | Port 13 Name | R | Text |
| 1340 | 64 | Port 14 Name | R | Text |
| 1380 | 64 | Port 15 Name | R | Text |
| 13C0 | 64 | Port 16 Name | R | Text |
| 1400 | 64 | Port 17 Name | R | Text |
| 1440 | 64 | Port 18 Name | R | Text |
| 1480 | 64 | Port 19 Name | R | Text |
| 14C0 | 64 | Port 20 Name | R | Text |
| 1500 | 1 | Port 1 State | R | Uint16 |
| 1501 | 1 | Port 2 State | R | Uint16 |
| 1502 | 1 | Port 3 State | R | Uint16 |
| 1503 | 1 | Port 4 State | R | Uint16 |
| 1504 | 1 | Port 5 State | R | Uint16 |
| 1505 | 1 | Port 6 State | R | Uint16 |
| 1506 | 1 | Port 7 State | R | Uint16 |
| 1507 | 1 | Port 8 State | R | Uint16 |
| 1508 | 1 | Port 9 State | R | Uint16 |
| 1509 | 1 | Port 10 State | R | Uint16 |
| 150a | 1 | Port 11 State | R | Uint16 |
| 150b | 1 | Port 12 State | R | Uint16 |
| 150c | 1 | Port 13 State | R | Uint64 |
| 150d | 1 | Port 14 State | R | Uint64 |
| 150e | 1 | Port 15 State | R | Uint64 |

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers (continued)**

| 150f | 1 | Port 16 State | R | Uint64 |
|---|---|---|---|---|
| 1510 | 1 | Port 17 State | R | Uint64 |
| 1511 | 1 | Port 18 State | R | Uint64 |
| 1512 | 1 | Port 19 State | R | Uint64 |
| 1513 | 1 | Port 20 State | R | Uint64 |
| 1514 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 1518 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |
| 151c | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
| 1520 | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1524 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 1528 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 152c | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 1530 | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1534 | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 1538 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 153c | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 1540 | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 1544 | 4 | Port 13  Statistics – Number of packets received | R | Uint64 |
| 1548 | 4 | Port 14  Statistics – Number of packets received | R | Uint64 |
| 154c | 4 | Port 15  Statistics – Number of packets received | R | Uint64 |
| 1550 | 4 | Port 16  Statistics – Number of packets received | R | Uint64 |
| 1554 | 4 | Port 17  Statistics – Number of packets received | R | Uint64 |
| 1558 | 4 | Port 18  Statistics – Number of packets received | R | Uint64 |
| 155c | 4 | Port 19  Statistics – Number of packets received | R | Uint64 |
| 1560 | 4 | Port 20  Statistics – Number of packets received | R | Uint64 |
| 1564 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1568 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 156c | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 1570 | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1574 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1578 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 157c | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 1580 | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1584 | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1588 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 158c | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 1590 | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers (continued)**

| 1594 | 4 | Port 13 Statistics – Number of packets sent | R | Uint64 |
|---|---|---|---|---|
| 1598 | 4 | Port 14 Statistics – Number of packets sent | R | Uint64 |
| 159c | 4 | Port 15 Statistics – Number of packets sent | R | Uint64 |
| 15a0 | 4 | Port 16 Statistics – Number of packets sent | R | Uint64 |
| 15a4 | 4 | Port 17 Statistics – Number of packets sent | R | Uint64 |
| 15a8 | 4 | Port 18 Statistics – Number of packets sent | R | Uint64 |
| 15ac | 4 | Port 19 Statistics – Number of packets sent | R | Uint64 |
| 15b0 | 4 | Port 20 Statistics – Number of packets sent | R | Uint64 |
| 15b4 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 15b8 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 15bc | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 15c0 | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 15c4 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 15c8 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 15cc | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 15d0 | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |
| 15d4 | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
| 15d8 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 15dc | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 15E0 | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 15E4 | 4 | Port 13  Statistics – Number of bytes received | R | Uint64 |
| 15E8 | 4 | Port 14  Statistics – Number of bytes received | R | Uint64 |
| 15ec | 4 | Port 15  Statistics – Number of bytes received | R | Uint64 |
| 15f0 | 4 | Port 16  Statistics – Number of bytes received | R | Uint64 |
| 15f4 | 4 | Port 17  Statistics – Number of bytes received | R | Uint64 |
| 15f8 | 4 | Port 18  Statistics – Number of bytes received | R | Uint64 |
| 15fc | 4 | Port 19  Statistics – Number of bytes received | R | Uint64 |
| 1600 | 4 | Port 20  Statistics – Number of bytes received | R | Uint64 |
| 1604 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 1608 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 160c | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 1610 | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 1614 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 1618 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 161c | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 1620 | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 1624 | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 1628 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers (continued)**

| 162c | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
|---|---|---|---|---|
| 1630 | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 1634 | 4 | Port 13 Statistics – Number of bytes sent | R | Uint64 |
| 1638 | 4 | Port 14 Statistics – Number of bytes sent | R | Uint64 |
| 163c | 4 | Port 15 Statistics – Number of bytes sent | R | Uint64 |
| 1640 | 4 | Port 16 Statistics – Number of bytes sent | R | Uint64 |
| 1644 | 4 | Port 17 Statistics – Number of bytes sent | R | Uint64 |
| 1648 | 4 | Port 18 Statistics – Number of bytes sent | R | Uint64 |
| 164c | 4 | Port 19 Statistics – Number of bytes sent | R | Uint64 |
| 1650 | 4 | Port 20 Statistics – Number of bytes sent | R | Uint64 |
| 1652 | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1654 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 1656 | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1658 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 165a | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 165c | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 165e | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 1660 | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 1662 | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 1664 | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 1666 | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 1668 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 166a | 2 | Port 13 Statistics – Number of packets received | R | Uint32 |
| 166c | 2 | Port 14 Statistics – Number of packets received | R | Uint32 |
| 166e | 2 | Port 15 Statistics – Number of packets received | R | Uint32 |
| 1670 | 2 | Port 16 Statistics – Number of packets received | R | Uint32 |
| 1672 | 2 | Port 17 Statistics – Number of packets received | R | Uint32 |
| 1674 | 2 | Port 18 Statistics – Number of packets received | R | Uint32 |
| 1676 | 2 | Port 19 Statistics – Number of packets received | R | Uint32 |
| 1678 | 2 | Port 20 Statistics – Number of packets received | R | Uint32 |
| 167a | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 167c | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 167e | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 1680 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 1682 | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 1684 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 1686 | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers (continued)**

| 1688 | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
|---|---|---|---|---|
| 168a | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 168c | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 168e | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 1690 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 1692 | 2 | Port 13 Statistics – Number of packets sent | R | Uint32 |
| 1694 | 2 | Port 14 Statistics – Number of packets sent | R | Uint32 |
| 1696 | 2 | Port 15 Statistics – Number of packets sent | R | Uint32 |
| 1698 | 2 | Port 16 Statistics – Number of packets sent | R | Uint32 |
| 169a | 2 | Port 17 Statistics – Number of packets sent | R | Uint32 |
| 169c | 2 | Port 18 Statistics – Number of packets sent | R | Uint32 |
| 169e | 2 | Port 19 Statistics – Number of packets sent | R | Uint32 |
| 16a0 | 2 | Port 20 Statistics – Number of packets sent | R | Uint32 |
| 16a2 | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 16a4 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 16a6 | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 16a8 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 16aa | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 16ac | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 16ae | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 16b0 | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 16b2 | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 16b4 | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 16b6 | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 16b8 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 16ba | 2 | Port 13 Statistics – Number of bytes received | R | Uint32 |
| 16bc | 2 | Port 14 Statistics – Number of bytes received | R | Uint32 |
| 16be | 2 | Port 15 Statistics – Number of bytes received | R | Uint32 |
| 16c0 | 2 | Port 16 Statistics – Number of bytes received | R | Uint32 |
| 16c2 | 2 | Port 17 Statistics – Number of bytes received | R | Uint32 |
| 16c4 | 2 | Port 18 Statistics – Number of bytes received | R | Uint32 |
| 16c6 | 2 | Port 19 Statistics – Number of bytes received | R | Uint32 |
| 16c8 | 2 | Port 20 Statistics – Number of bytes received | R | Uint32 |
| 16ca | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 16cc | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 16ce | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |
| 16d0 | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
| 16d2 | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |

**Table 33    IE-4000-8GT8GP4G-E Port Information Registers (continued)**

| 16d4 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
|---|---|---|---|---|
| 16d6 | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 16d8 | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 16da | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 16dc | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 16de | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |
| 16e0 | 2 | Port 13 Statistics – Number of bytes sent | R | Uint32 |
| 16e2 | 2 | Port 14 Statistics – Number of bytes sent | R | Uint32 |
| 16e4 | 2 | Port 15 Statistics – Number of bytes sent | R | Uint32 |
| 16e8 | 2 | Port 16 Statistics – Number of bytes sent | R | Uint32 |
| 16ea | 2 | Port 17 Statistics – Number of bytes sent | R | Uint32 |
| 16ec | 2 | Port 18 Statistics – Number of bytes sent | R | Uint32 |
| 16ee | 2 | Port 19 Statistics – Number of bytes sent | R | Uint32 |
| 16f0 | 2 | Port 20 Statistics – Number of bytes sent | R | Uint32 |

# IE-4000-4GS8GP4G-E

## System Information Registers

**Table 34    IE-4000-4GS8GP4G-E System Information Registers**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---|---|---|---|---|---|---|
| 800 | 64 | Product ID | R | Text | "IE-4000-4GC4GP4G-E" | **show version** user EXEC command |
| 840 | 64 | Software image name | R | Text | "IE4000-UNIVERSALK9-M" | |
| 880 | 64 | Software image version | R | Text | "15.2EA" | |
| 08C0 | 64 | Host name | R | Text | "IE4000" | **show running-config** privileged EXEC command |
| 900 | 64 | Alarm 1 description | R | Text | "Door 1" | **show env alarm-contact** user EXEC command |
| 940 | 64 | Alarm 2 description | R | Text | "Door 2" | |
| 980 | 1 | Alarm 1 status | R | Uint16 | 0x1 | |
| 981 | 1 | Alarm 2 status | R | Uint16 | 0x0 | |
| 982 | 1 | Total number of 10/100 Ethernet ports | R | Uint16 | 0x0 | **show version** user EXEC command |
| 983 | 1 | Total number of Gigabit Ethernet ports | R | Uint16 | 0x0C | |

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**Table 34     IE-4000-4GS8GP4G-E System Information Registers (continued)**

| Address | Number of Registers | Description | R/W | Format | Example/Note | CLI Command |
|---------|---------------------|-------------|-----|--------|--------------|-------------|
| 984 | 1 | Total number of alarms | R | Uint16 | 0x2 | **show env alarm-contact** user EXEC command |
| 985 | 1 | Total number of power supplies | R | Uint16 | 0x2 | **show env power user** EXEC command |
| 986 | 1 | PS1 status | R | Uint16 | 0x0 | |
| 987 | 1 | PS2 status | R | Uint16 | 0x1 | |
| 988 | 1 | System temperature (in Celsius) | R | Uint16 | 48 | **show env temperature** user EXEC command |

**Table 35     System Information: Interpretation of Uint16 Values**

| Address | Description | Value |
|---------|-------------|-------|
| 981 | Alarm 1 status | 0x0: Alarm not asserted |
| 982 | Alarm 2 status | 0x1: Alarm asserted |
| 986 | Power supply 1 status | 0x0: PS is functional |
| | | 0x1: PS is not functional |
| | | 0x2: PS is not present |
| 987 | Power supply 2 status | 0x3: PS is not recognized |

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# Port Information Registers

**Table 36    IE-4000-4GS8GP4G-E Port Information Registers**

| Address in Hex | Number of Registers | Description | R/W | Format |
|---|---|---|---|---|
| 1000 | 64 | Port 1 Name | R | Text |
| 1040 | 64 | Port 2 Name | R | Text |
| 1080 | 64 | Port 3 Name | R | Text |
| 10C0 | 64 | Port 4 Name | R | Text |
| 1100 | 64 | Port 5 Name | R | Text |
| 1140 | 64 | Port 6 Name | R | Text |
| 1180 | 64 | Port 7 Name | R | Text |
| 11C0 | 64 | Port 8 Name | R | Text |
| 1200 | 64 | Port 9 Name | R | Text |
| 1240 | 64 | Port 10 Name | R | Text |
| 1280 | 64 | Port 11 Name | R | Text |
| 12C0 | 64 | Port 12 Name | R | Text |
| 1300 | 64 | Port 13 Name | R | Text |
| 1340 | 64 | Port 14 Name | R | Text |
| 1380 | 64 | Port 15 Name | R | Text |
| 13C0 | 64 | Port 16 Name | R | Text |
| 1400 | 1 | Port 1 State | R | Uint16 |
| 1401 | 1 | Port 2 State | R | Uint16 |
| 1402 | 1 | Port 3 State | R | Uint16 |
| 1403 | 1 | Port 4 State | R | Uint16 |
| 1404 | 1 | Port 5 State | R | Uint16 |
| 1405 | 1 | Port 6 State | R | Uint16 |
| 1406 | 1 | Port 7 State | R | Uint16 |
| 1407 | 1 | Port 8 State | R | Uint16 |
| 1408 | 1 | Port 9 State | R | Uint16 |
| 1409 | 1 | Port 10 State | R | Uint16 |
| 140a | 1 | Port 11 State | R | Uint16 |
| 140b | 1 | Port 12 State | R | Uint16 |
| 140c | 1 | Port 13 State | R | Uint64 |
| 140d | 1 | Port 14 State | R | Uint64 |
| 140e | 1 | Port 15 State | R | Uint64 |
| 140f | 1 | Port 16 State | R | Uint64 |
| 1410 | 4 | Port 1 Statistics – Number of packets received | R | Uint64 |
| 1414 | 4 | Port 2 Statistics – Number of packets received | R | Uint64 |

**Table 36    IE-4000-4GS8GP4G-E Port Information Registers (continued)**

| 1418 | 4 | Port 3 Statistics – Number of packets received | R | Uint64 |
|---|---|---|---|---|
| 141c | 4 | Port 4 Statistics – Number of packets received | R | Uint64 |
| 1420 | 4 | Port 5 Statistics – Number of packets received | R | Uint64 |
| 1424 | 4 | Port 6 Statistics – Number of packets received | R | Uint64 |
| 1428 | 4 | Port 7 Statistics – Number of packets received | R | Uint64 |
| 142c | 4 | Port 8 Statistics – Number of packets received | R | Uint64 |
| 1430 | 4 | Port 9 Statistics – Number of packets received | R | Uint64 |
| 1434 | 4 | Port 10 Statistics – Number of packets received | R | Uint64 |
| 1438 | 4 | Port 11 Statistics – Number of packets received | R | Uint64 |
| 143c | 4 | Port 12 Statistics – Number of packets received | R | Uint64 |
| 1440 | 4 | Port 13  Statistics – Number of packets received | R | Uint64 |
| 1444 | 4 | Port 14  Statistics – Number of packets received | R | Uint64 |
| 1448 | 4 | Port 15  Statistics – Number of packets received | R | Uint64 |
| 144c | 4 | Port 16  Statistics – Number of packets received | R | Uint64 |
| 1450 | 4 | Port 1 Statistics – Number of packets sent | R | Uint64 |
| 1454 | 4 | Port 2 Statistics – Number of packets sent | R | Uint64 |
| 1458 | 4 | Port 3 Statistics – Number of packets sent | R | Uint64 |
| 145c | 4 | Port 4 Statistics – Number of packets sent | R | Uint64 |
| 1460 | 4 | Port 5 Statistics – Number of packets sent | R | Uint64 |
| 1464 | 4 | Port 6 Statistics – Number of packets sent | R | Uint64 |
| 1468 | 4 | Port 7 Statistics – Number of packets sent | R | Uint64 |
| 146c | 4 | Port 8 Statistics – Number of packets sent | R | Uint64 |
| 1470 | 4 | Port 9 Statistics – Number of packets sent | R | Uint64 |
| 1474 | 4 | Port 10 Statistics – Number of packets sent | R | Uint64 |
| 1478 | 4 | Port 11 Statistics – Number of packets sent | R | Uint64 |
| 147c | 4 | Port 12 Statistics – Number of packets sent | R | Uint64 |
| 1480 | 4 | Port 13 Statistics – Number of packets sent | R | Uint64 |
| 1484 | 4 | Port 14 Statistics – Number of packets sent | R | Uint64 |
| 1488 | 4 | Port 15 Statistics – Number of packets sent | R | Uint64 |
| 148c | 4 | Port 16 Statistics – Number of packets sent | R | Uint64 |
| 1490 | 4 | Port 1 Statistics – Number of bytes received | R | Uint64 |
| 1494 | 4 | Port 2 Statistics – Number of bytes received | R | Uint64 |
| 1498 | 4 | Port 3 Statistics – Number of bytes received | R | Uint64 |
| 149c | 4 | Port 4 Statistics – Number of bytes received | R | Uint64 |
| 14a0 | 4 | Port 5 Statistics – Number of bytes received | R | Uint64 |
| 14a4 | 4 | Port 6 Statistics – Number of bytes received | R | Uint64 |
| 14a8 | 4 | Port 7 Statistics – Number of bytes received | R | Uint64 |
| 14ac | 4 | Port 8 Statistics – Number of bytes received | R | Uint64 |

**Table 36    IE-4000-4GS8GP4G-E Port Information Registers (continued)**

| 14b0 | 4 | Port 9 Statistics – Number of bytes received | R | Uint64 |
|---|---|---|---|---|
| 14b4 | 4 | Port 10 Statistics – Number of bytes received | R | Uint64 |
| 14b8 | 4 | Port 11 Statistics – Number of bytes received | R | Uint64 |
| 14bc | 4 | Port 12 Statistics – Number of bytes received | R | Uint64 |
| 14c0 | 4 | Port 13  Statistics – Number of bytes received | R | Uint64 |
| 14c4 | 4 | Port 14  Statistics – Number of bytes received | R | Uint64 |
| 14c8 | 4 | Port 15  Statistics – Number of bytes received | R | Uint64 |
| 14cc | 4 | Port 16  Statistics – Number of bytes received | R | Uint64 |
| 14D0 | 4 | Port 1 Statistics – Number of bytes sent | R | Uint64 |
| 14d4 | 4 | Port 2 Statistics – Number of bytes sent | R | Uint64 |
| 14d8 | 4 | Port 3 Statistics – Number of bytes sent | R | Uint64 |
| 14dc | 4 | Port 4 Statistics – Number of bytes sent | R | Uint64 |
| 14E0 | 4 | Port 5 Statistics – Number of bytes sent | R | Uint64 |
| 14E4 | 4 | Port 6 Statistics – Number of bytes sent | R | Uint64 |
| 14e8 | 4 | Port 7 Statistics – Number of bytes sent | R | Uint64 |
| 14ec | 4 | Port 8 Statistics – Number of bytes sent | R | Uint64 |
| 14f0 | 4 | Port 9 Statistics – Number of bytes sent | R | Uint64 |
| 14f4 | 4 | Port 10 Statistics – Number of bytes sent | R | Uint64 |
| 14f8 | 4 | Port 11 Statistics – Number of bytes sent | R | Uint64 |
| 14fc | 4 | Port 12 Statistics – Number of bytes sent | R | Uint64 |
| 1500 | 4 | Port 13 Statistics – Number of bytes sent | R | Uint64 |
| 1504 | 4 | Port 14 Statistics – Number of bytes sent | R | Uint64 |
| 1508 | 4 | Port 15 Statistics – Number of bytes sent | R | Uint64 |
| 150c | 4 | Port 16 Statistics – Number of bytes sent | R | Uint64 |
| 150E | 2 | Port 1 Statistics – Number of packets received | R | Uint32 |
| 1510 | 2 | Port 2 Statistics – Number of packets received | R | Uint32 |
| 1512 | 2 | Port 3 Statistics – Number of packets received | R | Uint32 |
| 1514 | 2 | Port 4 Statistics – Number of packets received | R | Uint32 |
| 1516 | 2 | Port 5 Statistics – Number of packets received | R | Uint32 |
| 1518 | 2 | Port 6 Statistics – Number of packets received | R | Uint32 |
| 151a | 2 | Port 7 Statistics – Number of packets received | R | Uint32 |
| 151c | 2 | Port 8 Statistics – Number of packets received | R | Uint32 |
| 151e | 2 | Port 9 Statistics – Number of packets received | R | Uint32 |
| 1520 | 2 | Port 10 Statistics – Number of packets received | R | Uint32 |
| 1522 | 2 | Port 11 Statistics – Number of packets received | R | Uint32 |
| 1524 | 2 | Port 12 Statistics – Number of packets received | R | Uint32 |
| 1526 | 2 | Port 13 Statistics – Number of packets received | R | Uint32 |

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**Table 36    IE-4000-4GS8GP4G-E Port Information Registers (continued)**

| 1528 | 2 | Port 14 Statistics – Number of packets received | R | Uint32 |
|---|---|---|---|---|
| 152a | 2 | Port 15 Statistics – Number of packets received | R | Uint32 |
| 152c | 2 | Port 16 Statistics – Number of packets received | R | Uint32 |
| 152E | 2 | Port 1 Statistics – Number of packets sent | R | Uint32 |
| 1530 | 2 | Port 2 Statistics – Number of packets sent | R | Uint32 |
| 1532 | 2 | Port 3 Statistics – Number of packets sent | R | Uint32 |
| 1534 | 2 | Port 4 Statistics – Number of packets sent | R | Uint32 |
| 1536 | 2 | Port 5 Statistics – Number of packets sent | R | Uint32 |
| 1538 | 2 | Port 6 Statistics – Number of packets sent | R | Uint32 |
| 153a | 2 | Port 7 Statistics – Number of packets sent | R | Uint32 |
| 153c | 2 | Port 8 Statistics – Number of packets sent | R | Uint32 |
| 153e | 2 | Port 9 Statistics – Number of packets sent | R | Uint32 |
| 1540 | 2 | Port 10 Statistics – Number of packets sent | R | Uint32 |
| 1542 | 2 | Port 11 Statistics – Number of packets sent | R | Uint32 |
| 1544 | 2 | Port 12 Statistics – Number of packets sent | R | Uint32 |
| 1546 | 2 | Port 13 Statistics – Number of packets sent | R | Uint32 |
| 1548 | 2 | Port 14 Statistics – Number of packets sent | R | Uint32 |
| 154a | 2 | Port 15 Statistics – Number of packets sent | R | Uint32 |
| 154c | 2 | Port 16 Statistics – Number of packets sent | R | Uint32 |
| 154E | 2 | Port 1 Statistics – Number of bytes received | R | Uint32 |
| 1550 | 2 | Port 2 Statistics – Number of bytes received | R | Uint32 |
| 1552 | 2 | Port 3 Statistics – Number of bytes received | R | Uint32 |
| 1554 | 2 | Port 4 Statistics – Number of bytes received | R | Uint32 |
| 1556 | 2 | Port 5 Statistics – Number of bytes received | R | Uint32 |
| 1558 | 2 | Port 6 Statistics – Number of bytes received | R | Uint32 |
| 155a | 2 | Port 7 Statistics – Number of bytes received | R | Uint32 |
| 155c | 2 | Port 8 Statistics – Number of bytes received | R | Uint32 |
| 155e | 2 | Port 9 Statistics – Number of bytes received | R | Uint32 |
| 1560 | 2 | Port 10 Statistics – Number of bytes received | R | Uint32 |
| 1562 | 2 | Port 11 Statistics – Number of bytes received | R | Uint32 |
| 1564 | 2 | Port 12 Statistics – Number of bytes received | R | Uint32 |
| 1566 | 2 | Port 13 Statistics – Number of bytes received | R | Uint32 |
| 1568 | 2 | Port 14 Statistics – Number of bytes received | R | Uint32 |
| 156a | 2 | Port 15 Statistics – Number of bytes received | R | Uint32 |
| 156c | 2 | Port 16 Statistics – Number of bytes received | R | Uint32 |
| 156E | 2 | Port 1 Statistics – Number of bytes sent | R | Uint32 |
| 1570 | 2 | Port 2 Statistics – Number of bytes sent | R | Uint32 |
| 1572 | 2 | Port 3 Statistics – Number of bytes sent | R | Uint32 |

**Table 36    IE-4000-4GS8GP4G-E Port Information Registers (continued)**

| 1574 | 2 | Port 4 Statistics – Number of bytes sent | R | Uint32 |
|------|---|------------------------------------------|---|--------|
| 1576 | 2 | Port 5 Statistics – Number of bytes sent | R | Uint32 |
| 1578 | 2 | Port 6 Statistics – Number of bytes sent | R | Uint32 |
| 157a | 2 | Port 7 Statistics – Number of bytes sent | R | Uint32 |
| 157c | 2 | Port 8 Statistics – Number of bytes sent | R | Uint32 |
| 157e | 2 | Port 9 Statistics – Number of bytes sent | R | Uint32 |
| 1580 | 2 | Port 10 Statistics – Number of bytes sent | R | Uint32 |
| 1582 | 2 | Port 11 Statistics – Number of bytes sent | R | Uint32 |
| 1584 | 2 | Port 12 Statistics – Number of bytes sent | R | Uint32 |
| 1586 | 2 | Port 13 Statistics – Number of bytes sent | R | Uint32 |
| 1588 | 2 | Port 14 Statistics – Number of bytes sent | R | Uint32 |
| 158a | 2 | Port 15 Statistics – Number of bytes sent | R | Uint32 |
| 158c | 2 | Port 16 Statistics – Number of bytes sent | R | Uint32 |

# Related Documents

For Cisco Industrial Ethernet 4000 Series Switches documentation, see http://www.cisco.com/go/ie4000.

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