

Get to Know the SG350-28P 28-Port Gigabit PoE Managed Switch

Objective

The Cisco SG350-28P 28-Port Gigabit Power over Ethernet (PoE) Managed Switch is a standalone switch that provides 24/28 ports of Gigabit Ethernet and 4/28 (2 SFP + 2 Combo) Gigabit Ethernet ports. It comes with a new generation, highly-integrated packet processor for Carrier Ethernet and Small-Medium Enterprise (SME) applications with full wire-speed performance.

This article aims to show the features of the SG350-28P 28-Port Gigabit PoE Managed Switch.

Applicable Devices

- SG350-28P

Software Version

- 2.1.0.63

SG350-28P Features

Product Features

- Link Flap Prevention
- Support auto detect 100M or 1000M Small Form-Factor Pluggable (SFP) modules and auto configure the correct speed.
 - The speed of the SFP ports can be manually configured
- USB port that allows the following:
 - Backing up of configuration files
 - Loading of new image or configuration files
- Quality of Service (QoS)

Egress policy

- Egress ACL
 - 2 Rate 3 Colors (2R3C)
- Port Monitor/ Switched Port Analyzer (SPAN)
 - 7-session SPAN
 - Policy-based Flow Mirroring
- Switch Management
- Command Line Interface (CLI) Output modifier
- Bonjour IPv6 Support
- Web-based utility
 - Search

- Wizards: Access Control List (ACL)
- Save icon
- Syslog Popup
- Show tech-support
- Traffic Monitoring
 - Counters History/Counters Graph
 - SFLOW v5
- Packet Processor - AlleyCat3: 98DX3235 (GE), 98DX1235 (FE)
- Embedded CPU - Marvell MSIS /400Mhz
- PHY-
 - 88E1680 - Integrated Octal 10/100/1000 Mbps Energy Efficient Ethernet Transceiver
 - 88E3680 - Integrated Octal 10/100 Mbps Energy Efficient Ethernet Transceiver
 - 88E1543 - Combo port support
- DRAM - 512 MB (DDR3)
- Flash - 256 MB NAND Flash
- Protocol Based Virtual Local Area Network (VLAN)
- IP Subnet Based VLAN
- Logging aggregation disabled by default

Ports

- Power over Ethernet (PoE) Support
- 60W PoE
- PoE Link Layer Discovery Protocol (LLDP), Cisco Discovery Protocol (CDP) support (power negotiation)
- PD port support (PD70224 + PD70211)
- New PoE chipset allows devices to function as power client and request specific power consumption
- PoE controller embedded in Network ASIC (AC3) allows faster communication speed between the Network-ASIC and the PoE-chip
- 4-port AF/AT (Ports 1-2, 13-14)
- two Combo ports that consist of one RJ45 interface and one Mini-GBIC (SFP) interface
- Rest of the ports is Power Sourcing Equipment (PSE): AF/AT.
- PSE Port support: 24 ports
- Up to 12 simultaneous ports with full 15.4 support
- Console/Terminal Port (RJ45) for device management and debug
- asynchronous data of eight data bits
- one-stop bit
- no parity
- Default Baud rate of 115200 bps
- USB 2.0 port support
- FAT32 for Read/Write
- NTFS for Read-only

Buttons

- Reset button

LED Indication

P
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Function

LED
Na
mes

LED
Behavior

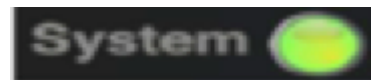
LED Reference

S
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System
(Dual
colors
LED)

Syst
em

- GREEN
- Off - System OFF
 - Solid Green - System is On and Ready
 - Blinking Green -



- AMBER
- Blinking Amber - detect HW failed.

R
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Link/Act
and PoE

Left
LED
LIN
K/A
CT

- GREEN
- OFF - No Link is detected
 - ON - Link is detected
 - Blinking Green - Rx/Tx Data



Rig
ht
LED
PoE

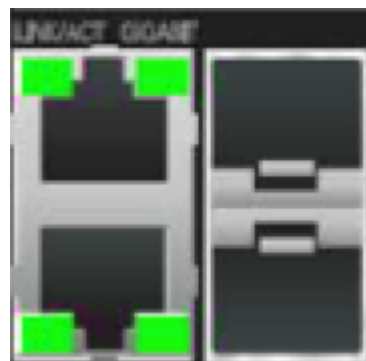
- AMBER
- OFF - No PD detected
 - Solid Amber - 802.3 af/at PD is detected
 - Blinking Amber - Negotiation

C
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Link/Act
and
Speed
SFP
ports
share
with
RJ45

Left
LED
LIN
K/A
CT

- GREEN
- OFF - No Link is detected
 - ON - Link is detected
 - Blinking Green - Rx/TX Data



Rig
ht
LED

- GREEN
- OFF - 10M/100M

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Dedicated Mini-GBIC Port

Speed

Link is Detected or No Link

- Solid Green - 1000M link is Detected

Left LED LINK/ACT

GREEN

- OFF - No Link is detected
- ON - Link is detected
- Blinking Green - Rx/TX Data

Right LED LINK/ACT

GREEN

- OFF - No Link is detected
- ON - Link is detected
- Blinking Green - Rx/TX Data

