



Hardware and Software Interoperability Matrix

This document provides interoperability matrices for Cisco Unified Computing System components and configurations that have been tested and validated by Cisco, by Cisco partners, or both. Use this document as a reference for supported hardware and software.

This document contains the following sections:

- [Audience, page 1](#)
- [Operating System Interoperability Matrix, page 1](#)
- [Converged Network Adapter Interoperability Matrix, page 4](#)
- [Network Interface Card Interoperability Matrix, page 18](#)
- [RAID Controller on Motherboard or PCIe Adapter Interoperability Matrix, page 27](#)
- [Related Documentation, page 34](#)
- [Obtaining Documentation and Submitting a Service Request, page 34](#)

For information about Fibre Channel Switch and Storage Array interoperability, consult the [Cisco UCS Storage Interoperability Matrix](#).

Audience

This document is designed for use by Cisco TAC, sales, support engineers, professional service partners, and systems administrators responsible for the design and deployment of the Unified Computing System in the data center environment.

The content of this document is updated on a regular basis. The current version of this document applies to the B Series Servers in Cisco Unified Computing System Release 1.4(2).

Operating System Interoperability Matrix

Table 1 lists the operating systems that the Unified Computing System B Series Servers support.

Table 1: Operating System

UCS Blade Server	Vendor	Operating System Version	Notes
B200 M2 and B250 M2	Citrix	XenServer 5.6 FP1	
B200 M1 and B250 M1	Microsoft	Windows Server 2003 x86 SP2	1, 12
B200 M1 and B250 M1	Microsoft	Windows Server 2003 R2 x86 SP2	1, 12
B200 M1 and B250 M1	Microsoft	Windows Server 2003 x64 SP2	1, 12
B200 M1 and B250 M1	Microsoft	Windows Server 2003 R2 x64 SP2	1, 12
B200 M1 & M2, B250 M1 & M2, B230 and B440	Microsoft	Windows Server 2008 x64 SP1 including Hyper-V	1, 12, 29
B200 M1 & M2, B250 M1 & M2, B230 and B440	Microsoft	Windows Server 2008 x64 SP2 including Hyper-V	1, 12, 29
B200 M1 & M2, B250 M1 & M2, B230 and B440	Microsoft	Windows Server 2008 R2 x64 including Hyper-V	1, 12, 29
B200 M1 & M2, B250 M1 & M2, B230 and B440	Microsoft	Windows Server 2008 R2 x64 SP1 including Hyper-V	1, 28, 29
B200 M1 & M2 and B250 M1 & M2	Novell	SUSE Linux Enterprise Server 10.3 64bit	12
B200 M1 & M2, B250 M1 & M2, B230 and B440	Novell	SUSE Linux Enterprise Server 11.1 64bit	12
B200 M1 & M2 and B250 M1 & M2	Oracle	Linux 5.3 64bit	2, 12, 18
B200 M1 & M2, B250 M1 & M2 and B440	Oracle	Linux 5.4 64bit	12, 16, 17, 18, 22
B200 M1 & M2, B250 M1 & M2, B230 and B440	Oracle	Linux 5.5 64bit	12

UCS Blade Server	Vendor	Operating System Version	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Oracle	Linux 5.6 64bit	28, 31
B200 M2 and B250 M2	Oracle	Solaris 10/09	12
B200 M1 & M2 and B250 M1 & M2	Red Hat	Enterprise Linux 4.8 64bit	12
B200 M1 & M2 and B250 M1 & M2	Red Hat	Enterprise Linux 5.3 64bit	2, 12, 18
B200 M1 & M2, B250 M1 & M2 and B440	Red Hat	Enterprise Linux 5.4 64bit	12, 16, 17, 18, 22
B200 M1 & M2, B250 M1 & M2, B230 and B440	Red Hat	Enterprise Linux 5.5 64bit	12
B200 M1 & M2, B250 M1 & M2, B230 and B440	Red Hat	Enterprise Linux 5.6 64bit	28
B200 M2, B250 M2, B230 and B440	Red Hat	Enterprise Linux 6.0 64bit	12
B200 M1 and B250 M1	VMware	vSphere 4.0	12, 21
B200 M1 and B250 M1	VMware	vSphere 4.0i	12, 21
B200 M1 & M2, B250 M1 & M2 and B440	VMware	vSphere 4.0 U1	5, 12, 19, 20, 24
B200 M1 & M2, B250 M1 & M2 and B440	VMware	vSphere 4.0i U1	5, 12, 19, 20, 24
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.0 U2	12, 24
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.0i U2	12, 24, 25, 26
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.1	12, 24

UCS Blade Server	Vendor	Operating System Version	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.1i	12, 24, 25, 26
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.1 U1	12, 24
B200 M1 & M2, B250 M1 & M2, B230 and B440	VMware	vSphere 4.1i U1	12, 24, 25, 26

Converged Network Adapter Interoperability Matrix

Table 2 lists the converged network adapters that the Unified Computing System B Series Servers support.

Table 2: Converged Network Adapters

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M2 and B250 M2	Cisco	UCS M81KR Virtual Interface Card	XenServer 5.6 FP1	1.4.0.145 / 1.4.1.5 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M81KR Virtual Interface Card	Enterprise Linux 5.4 64bit	1.1.1c / 1.4.1.5 (NIC)	1.4(2)b	1.4(2)b	17
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Enterprise Linux 5.5 64bit	1.4.0.145 / 1.4.1.5 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Enterprise Linux 5.6 64bit	1.4.0.145 / 1.4.1.5a (NIC)	1.4(2)b	1.4(2)b	31

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M2, B250 M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Enterprise Linux 6.0 64bit	1.4.0.145 / 1.4.1.5 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.1 64bit	1.4.0.145 / 1.4.1.5 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.0 U1	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 25
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.0i U1	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.0 U2	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.0i U2	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.1	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 25

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.1i	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.1 U1	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	vSphere 4.1i U1	1.4.0.195 / 1.4.2.9 (NIC)	1.4(2)b	1.4(2)b	14, 26, 30
B200 M1 and B250 M1	Cisco	UCS M81KR Virtual Interface Card	Windows Server 2003 x86	2.0.1.6 / 2.0.1.3 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Windows Server 2008 x64 SP2	2.0.1.6 / 2.0.1.3 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 x64	2.0.1.6 / 2.0.1.3 (NIC)	1.4(2)b	1.4(2)b	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 x64 SP1	2.0.1.6 / 2.0.1.3 (NIC)	1.4(2)b	1.4(2)b	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M72KR-E Converged Network Adapter	Enterprise Linux 5.3 64bit	8.2.0.78.4p / 2.102.435.2 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Enterprise Linux 5.4 64bit	8.2.0.78.4p / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Enterprise Linux 5.5 64bit	8.2.0.78.4p / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Enterprise Linux 5.6 64bit	8.2.0.87.1p / 2.102.518r (NIC)	2.702.517.6	4.01a3	31
B200 M2, B250 M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Enterprise Linux 6.0 64bit	8.3.5.17 / 2.102.426r (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M72KR-E Converged Network Adapter	SUSE Linux Enterprise Server 10.3 64bit	8.2.0.78.4p / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.3.5.15.4p / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 and B250 M1	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.0	8.2.0.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	25
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U1	8.2.0.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U2	8.2.0.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.0i U2	8.2.0.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.1	8.2.1.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.1i	8.2.1.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	25

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.79.25 / 2.102.440.0 (NIC)	2.702.517.6	4.01a3	26
B200 M1 and B250 M1	Cisco	UCS M72KR-E Converged Network Adapter	Windows Server 2003 x64	7.2.33.901 / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 and B250 M1	Cisco	UCS M72KR-E Converged Network Adapter	Windows Server 2003 x86	5.2.33.901 / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Windows Server 2008 x64	7.2.33.901 / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.33.901 / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 x64 SP1	7.2.33.901 / 2.102.435.0 (NIC)	2.702.517.6	4.01a3	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-E Converged Network Adapter	Enterprise Linux 4.8 64bit	8.0.16.46	2.80a4	5.03a8	8, 13

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-E Converged Network Adapter	Enterprise Linux 5.3 64bit	8.2.0.78.4p	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Enterprise Linux 5.4 64bit	8.2.0.78.4p	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Enterprise Linux 5.5 64bit	8.2.0.78.4p	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Enterprise Linux 5.6 64bit	8.2.0.87.1p	2.80a4	5.03a8	8, 13, 31
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-E Converged Network Adapter	SUSE Linux Enterprise Server 10.3 64bit	8.2.0.78.4p	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.3.5.15	2.80a4	5.03a8	8, 13
B200 M1 and B250 M1	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0	8.2.0.30.49vmw	2.80a4	5.03a8	8, 13
B200 M1 and B250 M1	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0i	8.2.0.30.49vmw	2.80a4	5.03a8	8, 13

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U1	8.2.0.30.52vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U1	8.2.0.30.52vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U2	8.2.0.30.52vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U2	8.2.0.30.52vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.1	8.2.1.30.1-58vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.1i	8.2.1.30.1-58vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.30.1-58vmw	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.30.1-58vmw	2.80a4	5.03a8	8, 13

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 and B250 M1	Cisco	UCS M71KR-E Converged Network Adapter	Windows Server 2003 x64	7.2.33.901	2.80a4	5.03a8	8, 13
B200 M1 and B250 M1	Cisco	UCS M71KR-E Converged Network Adapter	Windows Server 2003 x86	5.2.33.901	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Windows Server 2008 x64	7.2.33.901	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.33.901	2.80a4	5.03a8	8, 13
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 x64 SP1	7.2.33.901	2.80a4	5.03a8	8, 13
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M72KR-Q Converged Network Adapter	Enterprise Linux 5.3 64bit	803.00.09.0504k / 1.0.00.23 (NIC)	5.03.06	2.14	
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Enterprise Linux 5.4 64bit	803.00.10.0504k / 1.0.00.23 (NIC)	5.03.06	2.14	10
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Enterprise Linux 5.5 64bit	803.01.04.0505k / 1.0.00.23 (NIC)	5.03.06	2.14	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Enterprise Linux 5.6 64bit	803.01.05.05.06-k / 1.0.00.23 (NIC)	5.03.06	2.14	31
B200 M2, B250 M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Enterprise Linux 6.0 64bit	803.01.05.06.0-k8 / 1.00.00.23 (NIC)	5.03.06	2.14	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M72KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 10.3 64bit	803.00.10.10.3-k4 / 1.0.00.23 (NIC)	5.03.06	2.14	10
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	803.01.06.11.1-k8 / 1.00.00.23.00.00.1 (NIC)	5.03.06	2.14	
B200 M1 and B250 M1	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.0	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	25
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U1	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U2	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	25

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U2	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.1	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U1	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U1	832.k1.27vmw / 1.0.0.39 (NIC)	5.03.06	2.14	26
B200 M1 and B250 M1	Cisco	UCS M72KR-Q Converged Network Adapter	Windows Server 2003 x64	9.1.8.27 / 1.0.1.2 (NIC)	5.03.06	2.14	
B200 M1 and B250 M1	Cisco	UCS M72KR-Q Converged Network Adapter	Windows Server 2003 x86	9.1.8.27 / 1.0.1.2 (NIC)	5.03.06	2.14	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 x64	9.1.8.27 / 1.0.1.2 (NIC)	5.03.06	2.14	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27 / 1.0.1.2 (NIC)	5.03.06	2.14	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 x64 SP1	9.1.8.27 / 1.0.1.2 (NIC)	5.03.06	2.14	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-Q Converged Network Adapter	Enterprise Linux 4.8 64bit	8.02.09.02.04.08-d	4.03.01	2.02	8, 13, 27
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-Q Converged Network Adapter	Enterprise Linux 5.3 64bit	8.03.00.09.05.04-k	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Enterprise Linux 5.4 64bit	8.03.00.10.05.04-k	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Enterprise Linux 5.5 64bit	8.03.01.04.05.05-k	4.03.01	2.02	8, 13, 27

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Enterprise Linux 5.6 64bit	803.01.05.05.06k	4.03.01	2.02	8, 13, 27, 31
B200 M2 and B250 M2	Cisco	UCS M71KR-Q Converged Network Adapter	Solaris 10/09	20100301-3.00	4.03.01	2.02	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M71KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 10.3 64bit	803.00.10.103k4	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	803.01.06.11.1k8	4.03.01	2.02	8, 13, 27
B200 M1 and B250 M1	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0	80201-k1-vmw38	4.03.01	2.02	8, 13, 27
B200 M1 and B250 M1	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i	80201-k1-vmw38	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U1	80201-k1-vmw43	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U1	80201-k1-vmw43	4.03.01	2.02	8, 13, 27

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U2	80201-k1-vmw48	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U2	80201-k1-vmw48	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.1	831k128.1-lvmw	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i	831k128.1-lvmw	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U1	831k128.1-lvmw	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U1	831k128.1-lvmw	4.03.01	2.02	8, 13, 27
B200 M1 and B250 M1	Cisco	UCS M71KR-Q Converged Network Adapter	Windows Server 2003 x64	9.1.8.27	4.03.01	2.02	8, 13, 27
B200 M1 and B250 M1	Cisco	UCS M71KR-Q Converged Network Adapter	Windows Server 2003 x86	9.1.8.27	4.03.01	2.02	8, 13, 27

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 x64	9.1.8.27	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27	4.03.01	2.02	8, 13, 27
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 x64 SP1	9.1.8.27	4.03.01	2.02	8, 13, 27, 28

Network Interface Card Interoperability Matrix

Table 3 lists the network interface cards that the Unified Computing System B Series Servers support.

Table 3: Network Interface Cards

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 4.8 64bit	1.52.17	5.2.7.12.1	5.2.12	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 5.3 64bit	1.52.17	5.2.7.12.1	5.2.12	
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 5.4 64bit	1.52.17	5.2.7.12.1	5.2.12	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 5.5 64bit	1.60.51 / 2.1.3b (iSCSI)	5.2.7.12.1	5.2.12 / 5.3.2 (iSCSI)	28
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 5.6 64bit	1.52.53-4	5.2.7.12.1	5.2.12	31
B200 M2, B250 M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Enterprise Linux 6.0 64bit	1.60.51	5.2.7.12.1	5.2.12	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.3 64bit	1.52.17	5.2.7.12.1	5.2.12	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	1.60.51	5.2.7.12.1	5.2.12	
B200 M1 and B250 M1	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0	1.52.12.v40.3	5.2.7.12.1	5.2.12	25
B200 M1 and B250 M1	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i	1.52.12.v40.3	5.2.7.12.1	5.2.12	25
B200 M1 & M2, B250 M1	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	1.52.12.v40.3	5.2.7.12.1	5.2.12	25

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
& M2 and B440		Ethernet Adapter					
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	1.52.12.v40.3	5.2.7.12.1	5.2.12	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	1.52.12.v40.3	5.2.7.12.1	5.2.12	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	1.52.12.v40.3	5.2.7.12.1	5.2.12	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1	1.60.50.v41.2	5.2.7.12.1	5.2.12	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i	1.60.50.v41.2	5.2.7.12.1	5.2.12	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	1.60.50.v41.2 (iSCSI also)	5.2.7.12.1	5.2.12 / 5.3.2 (iSCSI)	25, 28
B200 M1 & M2, B250 M1	Cisco	UCS M51KR-B 10-Gigabit	vSphere 4.1i U1	1.60.50.v41.2	5.2.7.12.1	5.2.12	26

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
& M2, B230 and B440		Ethernet Adapter					
B200 M1 and B250 M1	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2003 x64	6.0.27.0	5.2.7.12.1	5.2.12	
B200 M1 and B250 M1	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2003 x86	6.0.27.0	5.2.7.12.1	5.2.12	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 x64	6.0.29.0	5.2.7.12.1	5.2.12	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	6.0.29.0	5.2.7.12.1	5.2.12	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	6.0.29.0 / 6.0.12.0 (iSCSI)	5.2.7.12.1	5.2.12 / 5.3.2 (iSCSI)	28
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 4.8 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 5.3 64bit	3.2.9	2.1.60.1.1	2.1.60	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 5.4 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 5.5 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 5.6 64bit	3.2.9	2.1.60.1.1	2.1.60	31
B200 M2, B250 M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Enterprise Linux 6.0 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.3 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9	2.1.60.1.1	2.1.60	
B200 M1 and B250 M1	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0	2.0.84.9	2.1.60.1.1	2.1.60	25
B200 M1 & M2, B250 M1	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	2.0.84.9	2.1.60.1.1	2.1.60	25

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
& M2 and B440		Ethernet Adapter					
B200 M1 & M2, B250 M1 & M2 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	2.0.84.9	2.1.60.1.1	2.1.60	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	2.0.84.9	2.1.60.1.1	2.1.60	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	2.0.84.9	2.1.60.1.1	2.1.60	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1	2.0.84.9	2.1.60.1.1	2.1.60	25
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i	2.0.84.9	2.1.60.1.1	2.1.60	26
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	2.0.84.9	2.1.60.1.1	2.1.60	25
B200 M1 & M2, B250 M1	Cisco	UCS M61KR-I 10-Gigabit	vSphere 4.1i U1	2.0.84.9	2.1.60.1.1	2.1.60	26

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
& M2, B230 and B440		Ethernet Adapter					
B200 M1 and B250 M1	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2003 x64	2.4.55.0	2.1.60.1.1	2.1.60	
B200 M1 and B250 M1	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2003 x86	2.4.55.0	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 x64	2.7.28.0	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	2.7.28.0	2.1.60.1.1	2.1.60	
B200 M1 & M2, B250 M1 & M2, B230 and B440	Cisco	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	2.7.28.0	2.1.60.1.1	2.1.60	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Enterprise Linux 4.8 64bit	3.2.9		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Enterprise Linux 5.3 64bit	3.2.9		2.1.11	11

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Enterprise Linux 5.4 64bit	3.2.9		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Enterprise Linux 5.5 64bit	3.2.9		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Enterprise Linux 5.6 64bit	3.2.9		2.1.11	11, 31
B200 M2 and B250 M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Solaris 10/09	1.0.8		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.3 64bit	3.2.9		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9		2.1.11	
B200 M1 and B250 M1	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0	1.3.36		2.1.11	11
B200 M1 and B250 M1	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i	1.3.36		2.1.11	11

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	1.3.36		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	1.3.36		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	2.038.2.5-2vmw		2.1.11	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	2.038.2.5-2vmw		2.1.11	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1	203825.1-1vmw		2.1.11	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i	203825.1-1vmw		2.1.11	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	203825.1-1vmw		2.1.11	
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	203825.1-1vmw		2.1.11	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 and B250 M1	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2003 x64	2.4.55.0		2.1.11	11
B200 M1 and B250 M1	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2003 x86	2.4.55.0		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 x64	2.7.28.0		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	2.7.28.0		2.1.11	11
B200 M1 & M2 and B250 M1 & M2	Cisco	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	2.7.28.0		2.1.11	11

RAID Controller on Motherboard or PCIe Adapter Interoperability Matrix

Table 4 lists the RAID controller on motherboard or PCIe adapters that the Unified Computing System B Series Servers support.

Table 4: RAID Controller on Motherboard or PCIe Adapters

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M2 and B250 M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 5.6 FP1	4.22.00.00	01.28.03.00	06.28.00.00	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 4.8 64bit	3.12.29.00rh	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 5.3 64bit	3.04.07	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 5.4 64bit	3.04.07rh	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 5.5 64bit	3.0.4.13rh	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 5.6 64bit	3.0.4.15rh	01.28.03.00	06.28.00.00	31
B200 M2 and B250 M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Enterprise Linux 6.0 64bit	3.04.16	01.28.03.00	06.28.00.00	
B200 M2 and B250 M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Solaris 10/09	1.92	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 10.3 64bit	3.04.07_suse	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 11.1 64bit	4.22.00.00	01.28.03.00	06.28.00.00	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 and B250 M1	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0	40037.0023vmw	01.28.03.00	06.28.00.00	
B200 M1 and B250 M1	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i	40037.0023vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U1	40037.0027vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U1	40037.0027vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U2	40037.0029vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U2	40037.0029vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1	421.0001.1-5vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i	421.0001.1-5vmw	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1 U1	421.0001.1-5vmw	01.28.03.00	06.28.00.00	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i U1	421.0001.1-5vmw	01.28.03.00	06.28.00.00	
B200 M1 and B250 M1	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2003 x64	1.29.03.00	01.28.03.00	06.28.00.00	
B200 M1 and B250 M1	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2003 x86	1.29.03.00	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 x64	1.29.03.00	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 x64	1.28.3.52	01.28.03.00	06.28.00.00	
B200 M1 & M2 and B250 M1 & M2	Cisco	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 x64 SP1	1.28.3.52	01.28.03.00	06.28.00.00	
B230	Cisco	LSI Logic MegaSAS 9240	Enterprise Linux 5.5 64bit	00.00.04.31	20.7.1-0024	4.18.00	
B230	Cisco	LSI Logic MegaSAS 9240	Enterprise Linux 5.6 64bit	00.00.04.31	20.7.1-0024	4.18.00	31
B230	Cisco	LSI Logic MegaSAS 9240	Enterprise Linux 6.0 64bit	00.00.04.28	20.7.1-0024	4.18.00	
B230	Cisco	LSI Logic MegaSAS 9240	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.31	20.7.1-0024	4.18.00	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.0 U2	4.32	20.7.1-0024	4.18.00	14, 15, 25
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.0i U2	4.32	20.7.1-0024	4.18.00	14, 15, 26
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.1	4.32	20.7.1-0024	4.18.00	14, 15, 25
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.1i	4.32	20.7.1-0024	4.18.00	14, 15, 26
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.1 U1	4.32	20.7.1-0024	4.18.00	14, 15, 25
B230	Cisco	LSI Logic MegaSAS 9240	vSphere 4.1i U1	4.32	20.7.1-0024	4.18.00	14, 15, 26
B230	Cisco	LSI Logic MegaSAS 9240	Windows Server 2008 x64	4.32.0.64	20.7.1-0024	4.18.00	
B230	Cisco	LSI Logic MegaSAS 9240	Windows Server 2008 R2 x64	4.32.0.64	20.7.1-0024	4.18.00	
B230	Cisco	LSI Logic MegaSAS 9240	Windows Server 2008 R2 x64 SP1	4.32.0.64	20.7.1-0024	4.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	Enterprise Linux 5.4 64bit	00.00.04.31	12.9.0-0050	3.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	Enterprise Linux 5.5 64bit	00.00.04.31	12.9.0-0050	3.18.00	

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B440	Cisco	LSI Logic MegaSAS 9260	Enterprise Linux 5.6 64bit	00.00.04.31	12.9.0-0050	3.18.00	31
B440	Cisco	LSI Logic MegaSAS 9260	Enterprise Linux 6.0 64bit	00.00.04.28	12.9.0-0050	3.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.31	12.9.0-0050	3.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.0 U1	4.32	12.9.0-0050	3.18.00	25
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.0i U1	4.32	12.9.0-0050	3.18.00	25
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.0 U2	4.32	12.9.0-0050	3.18.00	25
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.0i U2	4.32	12.9.0-0050	3.18.00	26
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.1	4.32	12.9.0-0050	3.18.00	25
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.1i	4.32	12.9.0-0050	3.18.00	26
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.1 U1	4.32	12.9.0-0050	3.18.00	25
B440	Cisco	LSI Logic MegaSAS 9260	vSphere 4.1i U1	4.32	12.9.0-0050	3.18.00	26

UCS Blade Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
B440	Cisco	LSI Logic MegaSAS 9260	Windows Server 2008 x64	4.32.0.64	12.9.0-0050	3.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	Windows Server 2008 R2 x64	4.32.0.64	12.9.0-0050	3.18.00	
B440	Cisco	LSI Logic MegaSAS 9260	Windows Server 2008 R2 x64 SP1	4.32.0.64	12.9.0-0050	3.18.00	

Notes

- 1 Requires Intel 55xx chipset drivers from download.intel.com
- 2 RHEL errata kernel 2.6.18-128.1.6 (or newer) is required due to advisory RHSA-2009:0326
- 3 SSI Mode Only
- 4 Driver required for installation not included in OS image
- 5 Nehalem EX processor family require Patch05 or later
- 6 Non-default adapter settings are typically required by storage vendors and found on their support list
- 7 Multiple array and switch models supported with UCS by the storage vendor are on their support list
- 8 Fiber Channel Storage that supports equivalent adapters and drivers is supported by UCS. UCS M71KR-E is equivalent to Emulex LP2100x, UCS M71KR-Q is equivalent to QLogic QLE804x
- 9 Driver not included in OS image, download from Cisco or OS vendor and install driver to enable device access
- 10 Driver included in OS image should be updated, download from Cisco or OS vendor and install driver to enable device access
- 11 iSCSI Storage that supports equivalent adapters and driver is supported by UCS. UCS 82598KR-CI is equivalent to Intel 82598EB 10 Gigabit Ethernet Controller
- 12 iSCSI Boot is not supported
- 13 Refer to the UCS 82598KR-CI 10-Gigabit Ethernet Adapter for the supported Ethernet driver on this Converged Network Adapter
- 14 Certification is pending for supported driver
- 15 Known issues with inbox driver, update to supported driver as soon as installation is finished
- 16 Xen kernel supported with workarounds as stated in: <http://kbase.redhat.com/faq/docs/DOC-23816>
- 17 Xen kernel supported with workarounds as stated in: <http://kbase.redhat.com/faq/docs/DOC-22147>

- 18 Loading multiple driver disks during a RHEL 5.x installation fails
<http://kbase.redhat.com/faq/docs/DOC-17753>
- 19 B250 dual adapter configuration requires ESX4.0u1p5 or later
- 20 56xx processor family require Patch04 or later
- 21 55xx processor family supported, this OS version does not support the 56xx processor family
- 22 RHEL errata kernel 2.6.18-164.15.1 (or newer) required for Nehalem EX processor support on B440 M1 servers, See <http://kbase.redhat.com/faq/docs/DOC-33762>
- 23 SLES kernel 2.6.27.45-0.1.1 (or newer) required for Nehalem EX processor support on B440 M1 servers
- 24 For full memory configs see following link:
http://kb.vmware.com/selfservice/microsites/search.do?cmd=displayKC&docType=kc&externalId=1016239&sliceId=1&docTypeID=DT_KB_1_1&dialogID=94385437&stateId=0%200%2094389504
- 25 B230 Requires Updated Driver CD available here:
http://downloads.vmware.com/d/info/datacenter_downloads/vmware_vsphere_hypervisor_esxi/4#drivers_tools
- 26 B230 requires Cisco OEM Customized Installer CD available here:
http://downloads.vmware.com/d/info/datacenter_downloads/vmware_vsphere_4/4_0#drivers_tools
- 27 Firmware is embedded in driver
- 28 iSCSI Boot tested (see adapter listing for required driver), however, it has not been certified by storage partners and is not UCSM supported
- 29 All variations of OS are supported for this version, including Windows Server Core, Full and Hyper-V Standalone
- 30 To upgrade to ESXi 4.1 U1 use the VMware upgrade on a 4.1 installation
- 31 Only the RHEL compatible kernel is supported when using Oracle Linux

Related Documentation

Links to the latest versions of related Cisco documentation are available in the *Cisco UCS Documentation Roadmap*, located at:

<http://www.cisco.com/go/unifiedcomputing/b-series-doc>

For information about Fibre Channel Switch and Storage Array interoperability, consult the *Cisco UCS Storage Interoperability Matrix*, located at:

<http://www.cisco.com/en/US/docs/switches/datacenter/mds9000/interoperability/matrix/Matrix8.html>

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.