



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.

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Interoperability information for UCSM managed C-Series Servers is accessible from the *Cisco UCS Technical References* page, located at: http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html. For UCSM release 2.0(3) using the UCS 2.0(3) C bundle, refer to the interoperability matrix for C-Series release 1.4(5).

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.

This document applies to the B Series Servers in Cisco Unified Computing System Release 2.0(3). The content of this document is updated on a regular basis. The current version was created on 2014-01-14.

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
M2 of B200, B250, B230 and B440	Citrix	XenServer 5.6 SP2	
M2 of B200, B250, B230 and B440 and B200 M3, B22 M3	Citrix	XenServer 6.0	
M2 of B200, B250, B230 and B440 and B200 M3, B22 M3	Citrix	XenServer 6.0.2	
M1 and M2 of B200, B250, B230, and B440	Microsoft	Windows Server 2008 SP2 x64	22
M1 and M2 of B200, B250, B230, and B440	Microsoft	Windows Server 2008 R2 x64	22
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Microsoft	Windows Server 2008 R2 x64 SP1	22
B200 and B250 M1 & M2	Novell	SUSE Linux Enterprise Server 10.4 64bit	
M1 and M2 of B200, B250, B230, and B440	Novell	SUSE Linux Enterprise Server 11.1 64bit	18
M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Novell	SUSE Linux Enterprise Server 11.2 64bit	
M1 and M2 of B200, B250, B230, and B440	Oracle	Enterprise Linux 5.5 64bit	
M1 and M2 of B200, B250, B230, and B440	Oracle	Linux 5.6 64bit	15
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Oracle	Linux 5.7 64bit	15
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Oracle	Linux 5.8 64bit	15

UCS Blade Server	Vendor	Operating System Version	Notes
B200 and B250 M2, B230 and B440 M1 & M2	Oracle	Linux 6.0 64bit	15
B200 and B250 M2, B230 and B440 M1 & M2 and B200 M3, B22 M3	Oracle	Linux 6.1 64bit	15
B200 and B250 M2, B230 and B440 M1 & M2 and B200 M3, B22 M3	Oracle	Linux 6.2 64bit	15
M2 of B200, B250, B230 and B440	Oracle	Solaris 10 09/10 (U9)	
M1 and M2 of B200, B250, B230, and B440	Red Hat	Enterprise Linux 5.5 64bit	
M1 and M2 of B200, B250, B230, and B440	Red Hat	Enterprise Linux 5.6 64bit	
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Red Hat	Enterprise Linux 5.7 64bit	
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	Red Hat	Enterprise Linux 5.8 64bit	
B200 and B250 M2, B230 and B440 M1 & M2	Red Hat	Enterprise Linux 6.0 64bit	
B200 and B250 M2, B230 and B440 M1 & M2 and B200 M3, B22 M3	Red Hat	Enterprise Linux 6.1 64bit	
B200 and B250 M2, B230 and B440 M1 & M2 and B200 M3, B22 M3	Red Hat	Enterprise Linux 6.2 64bit	
B200 and B250 M1	VMware	vSphere 4.0	21
B200 and B250 M1	VMware	vSphere 4.0i	21

UCS Blade Server	Vendor	Operating System Version	Notes
B200 and B250 M1 & M2 and B440 M1	VMware	vSphere 4.0 U1	5, 19, 20, 24
B200 and B250 M1 & M2 and B440 M1	VMware	vSphere 4.0i U1	5, 19, 20, 24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0 U2	24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0i U2	24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0 U3	24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0i U3	10, 24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0 U4	24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.0i U4	10, 24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.1	24
B200 and B250 M1 & M2, B230 and B440 M1	VMware	vSphere 4.1i	24
M1 and M2 of B200, B250, B230, and B440	VMware	vSphere 4.1 U1	11, 24
M1 and M2 of B200, B250, B230, and B440	VMware	vSphere 4.1i U1	10, 24
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	VMware	vSphere 4.1 U2	11, 24
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	VMware	vSphere 4.1i U2	10, 24
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	VMware	vSphere 5.0	

UCS Blade Server	Vendor	Operating System Version	Notes
M1 and M2 of B200, B250, B230, B440 and B200 M3, B22 M3	VMware	vSphere 5.0 U1	

VM-FEX Software Interoperability Matrix

Table 2 lists the VM-FEX software that the Unified Computing System B Series Servers support.

Table 2: VM-FEX Software

Software Type	Software Version	Operating System	Driver
VM-FEX	VEM400-201108405	vSphere 4.0 U3	v132-4.2.1.1.4.1.0-1.20.4
VM-FEX	VEM400-201108405	vSphere 4.0i U3	v132-4.2.1.1.4.1.0-1.20.4
VM-FEX	VEM400-201108405	vSphere 4.0 U4	v132-4.2.1.1.4.1.0-1.20.4
VM-FEX	VEM400-201108405	vSphere 4.0i U4	v132-4.2.1.1.4.1.0-1.20.4
VM-FEX	VEM410-201108406	vSphere 4.1 U1	v132-4.2.1.1.4.1.0-2.0.4
VM-FEX	VEM410-201108406	vSphere 4.1i U1	v132-4.2.1.1.4.1.0-2.0.4
VM-FEX	VEM410-201108406	vSphere 4.1 U2	v132-4.2.1.1.4.1.0-2.0.4
VM-FEX	VEM410-201108406	vSphere 4.1i U2	v132-4.2.1.1.4.1.0-2.0.4
VM-FEX	VEM500-20110825132140-BG-release	vSphere 5.0	v132-4.2.1.1.4.1.0-3.0.4
VM-FEX	VEM500-20110825132140-BG-release	vSphere 5.0 U1	v132-4.2.1.1.4.1.0-3.0.4
VM-FEX	VM-FEX	Redhat Enterprise Linux 6.1 64bit	2.1.1.35 (enic)
VM-FEX	VM-FEX	Redhat Enterprise Linux 6.2 64bit	2.1.1.35 (enic)

Converged Network Adapter Interoperability Matrix

Table 3 lists the converged network adapters that the Unified Computing System B Series Servers support.

Table 3: Converged Network Adapters

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	RHEL / OEL 5.5 64bit	1.5.0.3 / 2.1.1.24 (NIC)	2.0(3)	15
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	RHEL / OL 5.6 64bit	1.5.0.1 / 2.1.1.24 (NIC)	2.0(3)	12, 15
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	RHEL / OL 5.7 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 15
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	RHEL / OL 5.8 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M81KR Virtual Interface Card	RHEL / OL 6.0 64bit	1.5.0.1 / 2.1.1.24 (NIC)	2.0(3)	12, 15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M81KR Virtual Interface Card	RHEL / OL 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M81KR Virtual Interface Card	RHEL / OL 6.2 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 15
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	18
M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.2 / 2.1.1.35 (NIC)	2.0(3)	
B200 and B250 M1 & M2 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
B200 and B250 M1 & M2 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	23, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U3	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U3	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	23, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U4	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U4	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	10, 23, 24, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
B200 and B250 M1 & M2, B230 and B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.1i	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	23, 28
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	vSphere 4.1 U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	vSphere 4.1i U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	10, 12, 23, 28

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	vSphere 4.1 U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 28
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	vSphere 4.1i U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	10, 12, 23, 28
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	vSphere 5.0	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 23, 28
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	vSphere 5.0 U1	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 23, 28
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	Windows Server 2008 x64 SP2	2.1.0.17 / 2.1.0.9 (NIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(3)	12, 17, 27
M1 and M2 of B200, B250, B230, and B440	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 x64	2.1.0.17 / 2.1.0.9 (NIC)	2.0(3)	12, 17
M1 and M2 of B200, B250, B230, B440	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 x64 SP1	2.1.0.17 / 2.1.0.9 (NIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(3)	12, 17, 27
M2 of B200, B250, B230 and B440	UCS M81KR Virtual Interface Card	XenServer 5.6 SP2	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4
M2 of B200, B250, B230 and B440	UCS M81KR Virtual Interface Card	XenServer 6.0	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4
M2 of B200, B250, B230 and B440	UCS M81KR Virtual Interface Card	XenServer 6.0.2	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	RHEL / OL 5.7 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	RHEL / OL 5.8 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	RHEL / OL 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	RHEL / OL 6.2 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.2 / 2.1.1.35 (NIC)	2.0(3)	14
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1 U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 14, 28
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1i U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	10, 12, 14, 23, 28
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 14, 23, 28
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0 U1	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 14, 23, 28
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2008 R2 x64 SP1	2.1.0.17 / 2.1.0.9 (NIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(3)	12, 14, 17, 27

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.0	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4, 14
B200 M3 and B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.0.2	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4, 14
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	RHEL / OL 5.7 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	RHEL / OL 5.8 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	RHEL / OL 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	RHEL / OL 6.2 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(3)	12, 14, 15, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.2 / 2.1.1.35 (NIC)	2.0(3)	14, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	vSphere 4.1 U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	11, 14, 26, 28
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	vSphere 4.1i U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(3)	10, 12, 14, 23, 26, 28

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	vSphere 5.0	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 14, 23, 26, 28
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	vSphere 5.0 U1	1.5.0.8 / 2.1.2.22 (NIC)	2.0(3)	11, 12, 14, 23, 26, 28
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	Windows Server 2008 R2 x64 SP1	2.1.0.17 / 2.1.0.9 (NIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(3)	12, 14, 17, 26, 27
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	XenServer 6.0	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4, 14, 26
M2 of B200, B230, B440 and B200 M3, B22 M3	UCS 1280 Virtual Interface Card	XenServer 6.0.2	1.4.0.145 / 2.1.1.29 (NIC)	2.0(3)	4, 14, 26
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	RHEL / OEL 5.5 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	RHEL / OL 5.6 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	RHEL / OL 5.7 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	RHEL / OL 5.8 64bit	8.2.0.108.4p / 4.0.100r (NIC)	4.0.467.0	15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-E Converged Network Adapter	RHEL / OL 6.0 64bit	8.3.5.44 / 4.0.462.0 (NIC)	4.0.467.0	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-E Converged Network Adapter	RHEL / OL 6.1 64bit	8.3.5.44 / 4.0.462.0 (NIC)	4.0.467.0	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-E Converged Network Adapter	RHEL / OL 6.2 64bit	8.3.5.45.4p / 4.0.160r (NIC)	4.0.467.0	15
B200 and B250 M1 & M2	UCS M72KR-E Converged Network Adapter	SUSE Linux Enterprise Server 10.4 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.3.5.44 / 4.0.462.0 (NIC)	4.0.467.0	18
B200 and B250 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U1	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U2	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0i U2	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U3	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0i U3	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0 U4	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.0i U4	8.2.0.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.1	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-E Converged Network Adapter	vSphere 4.1i	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U2	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U2	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 5.0	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	vSphere 5.0 U1	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	Windows Server 2008 x64 SP2	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 x64 SP1	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	RHEL / OEL 5.5 64bit	8.2.0.96	2.0(3)	8, 13, 15
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	RHEL / OL 5.6 64bit	8.2.0.96	2.0(3)	8, 13, 15
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	RHEL / OL 5.7 64bit	8.2.0.96.2p	2.0(3)	8, 13, 15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2	UCS M71KR-E Converged Network Adapter	SUSE Linux Enterprise Server 10.4 64bit	8.2.0.92.1p	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.3.5.35	2.0(3)	8, 13, 18
B200 and B250 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0	8.2.0.30.49vmw	2.0(3)	8, 13
B200 and B250 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i	8.2.0.30.49vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U1	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U1	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U2	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U2	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U3	8.2.0.30.52vmw	2.0(3)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U3	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U4	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U4	8.2.0.30.52vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1	8.2.1.30.1-58vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i	8.2.1.30.1-58vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.30.1-58vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.30.1-58vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U2	8.2.1.30.1-58vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U2	8.2.1.30.1-58vmw	2.0(3)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 x64 SP2	7.2.41.002	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.41.002	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 x64 SP1	7.2.41.002	2.0(3)	8, 13
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	RHEL / OEL 5.5 64bit	8.03.03.15.05.06-k	1.02.13	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	RHEL / OL 5.6 64bit	8.03.01.05.05.06-k	1.02.13	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	RHEL / OL 5.7 64bit	8.03.07.03.05.07-k / 1.0.00.25 (NIC)	1.02.13	15
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	RHEL / OL 5.8 64bit	8.03.07.09.05.08-k / 1.0.00.29 (NIC)	1.02.13	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	RHEL / OL 6.0 64bit	8.03.04.12.06.0-k0 / 1.00.00.23.00.00-01 (NIC)	1.02.13	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	RHEL / OL 6.1 64bit	8.03.07.03.06.1-k / 1.00.00.27 (NIC)	1.02.13	15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M2, B230 and B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	RHEL / OL 6.2 64bit	8.03.07.05.06.2-k / 1.00.00.29 (NIC)	1.02.13	15
M2 of B200, B250, B230 and B440	UCS M72KR-Q Converged Network Adapter	Solaris 10 09/10	20100301-3.00 / 100429-v1.05	1.02.13	
B200 and B250 M1 & M2	UCS M72KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 10.4 64bit	8.03.01.12.10.3-k4 / 1.0.00.23 (NIC)	1.02.13	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.03.04.14.11.1-k0 / 1.00.00.23.00.00.1 (NIC)	1.02.13	18
B200 and B250 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U4	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U4	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	11
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 5.0	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	vSphere 5.0 U1	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 x64 SP2	9.1.8.27 / 1.0.1.12 (NIC)	1.02.13	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27 / 1.0.1.12 (NIC)	1.02.13	
M1 and M2 of B200, B250, B230, and B440	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 x64 SP1	9.1.8.27 / 1.0.1.12 (NIC)	1.02.13	
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	RHEL / OEL 5.5 64bit	8.03.03.15.05.06-k	2.0(3)	8, 13, 15
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	RHEL / OL 5.6 64bit	8.03.01.05.05.06-k	2.0(3)	8, 13, 15
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	RHEL / OL 5.7 64bit	8.03.07.03.05.07-k	2.0(3)	8, 13, 15
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	RHEL / OL 5.8 64bit	8.03.07.09.05.08-k	2.0(3)	8, 13, 15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2	UCS M71KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 10.4 64bit	8.03.01.12.10.3-k4	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.03.04.14.11.1-k0	2.0(3)	8, 13, 18
B200 and B250 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0	8.02.01-k1-vmw38	2.0(3)	8, 13
B200 and B250 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i	8.02.01-k1-vmw38	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U1	8.02.01-k1-vmw43	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U1	8.02.01-k1-vmw43	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U2	8.02.01-k1-vmw48	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U2	8.02.01-k1-vmw48	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U3	8.02.01-k1-vmw48	2.0(3)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U3	8.02.01-k1-vmw48	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U4	8.02.01-k1-vmw48	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U4	8.02.01-k1-vmw48	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1	831.k1.28.1-1vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i	831.k1.28.1-1vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U1	831.k1.28.1-1vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U1	831.k1.28.1-1vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U2	831.k1.28.1-1vmw	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U2	831.k1.28.1-1vmw	2.0(3)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 x64 SP2	9.1.8.27	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27	2.0(3)	8, 13
B200 and B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 x64 SP1	9.1.8.27	2.0(3)	8, 13

Network Interface Card Interoperability Matrix

Table 4 lists the network interface cards that the Unified Computing System B Series Servers support.

Table 4: Network Interface Cards

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OEL 5.5 64bit	1.62.17 / 2.1.3b (iSCSI)	6.2.15.23.7.1	15
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 5.6 64bit	1.62.17 / 2.1.3b (iSCSI)	6.2.15.23.7.1	12, 15
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 5.7 64bit	1.62.00-6 / 2.1.3b (iSCSI)	6.2.15.23.7.1	15
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 5.8 64bit	1.70.00-0	6.2.15.23.7.1	15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M2, B230 and B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 6.0 64bit	1.62.17	6.2.15.23.7.1	12
B200 and B250 M2, B230 and B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 6.1 64bit	1.62.00-6	6.2.15.23.7.1	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	RHEL / OL 6.2 64bit	1.70.00-0	6.2.15.23.7.1	15
M2 of B200, B250, B230 and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	Solaris 10 09/10	5.2.11	6.2.15.23.7.1	
B200 and B250 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.4 64bit	1.62.17	6.2.15.23.7.1	
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	1.62.17	6.2.15.23.7.1	
B200 and B250 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1 & M2 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	1.62.11.v40.1	6.2.15.23.7.1	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	1.62.11.v40.1	6.2.15.23.7.1	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U3	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U3	1.62.11.v40.1	6.2.15.23.7.1	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0 U4	1.62.11.v40.1	6.2.15.23.7.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.0i U4	1.62.11.v40.1	6.2.15.23.7.1	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1	1.62.15.v41	6.2.15.23.7.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i	1.62.15.v41	6.2.15.23.7.1	23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	1.62.15.v41 / 1.9.1t.v41.2 (iSCSI)	6.2.15.23.7.1	11
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	1.62.15.v41	6.2.15.23.7.1	12, 23
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1 U2	1.62.15.v41 / 1.9.1t.v41.2 (iSCSI)	6.2.15.23.7.1	11
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i U2	1.62.15.v41	6.2.15.23.7.1	12, 23
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 5.0	1.61.15.v50.1	6.2.15.23.7.1	
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 5.0 U1	1.61.15.v50.1	6.2.15.23.7.1	
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 x64 SP2	6.2.9.0	6.2.15.23.7.1	
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	6.2.9.0	6.2.15.23.7.1	12, 17
M1 and M2 of B200, B250, B230, and B440	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	6.2.9.0 / 6.2.7.0 (iSCSI)	6.2.15.23.7.1	12, 17

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OEL 5.5 64bit	3.2.9	2.1.60.1.1	15
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 5.6 64bit	3.2.9	2.1.60.1.1	15
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 5.7 64bit	3.2.9	2.1.60.1.1	15
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 5.8 64bit	3.4.8-k	2.1.60.1.1	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 6.0 64bit	3.2.9	2.1.60.1.1	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 6.1 64bit	3.3.9	2.1.60.1.1	15
B200 and B250 M2, B230 and B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	RHEL / OL 6.2 64bit	3.4.8-k	2.1.60.1.1	15
B200 and B250 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.4 64bit	3.2.9	2.1.60.1.1	
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9	2.1.60.1.1	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	3.1.17.1	2.1.60.1.1	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U3	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U3	3.1.17.1	2.1.60.1.1	23
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U4	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U4	3.1.17.1	2.1.60.1.1	23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1	3.1.17.1	2.1.60.1.1	11
B200 and B250 M1 & M2, B230 and B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i	3.1.17.1	2.1.60.1.1	23
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	3.1.17.1	2.1.60.1.1	11
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	3.1.17.1	2.1.60.1.1	23
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U2	3.1.17.1	2.1.60.1.1	11
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i U2	3.1.17.1	2.1.60.1.1	23
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.0	3.7.13	2.1.60.1.1	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.0 U1	3.7.13	2.1.60.1.1	11, 23
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 x64 SP2	2.7.28.0	2.1.60.1.1	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	2.7.28.0	2.1.60.1.1	
M1 and M2 of B200, B250, B230, and B440	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	2.7.28.0	2.1.60.1.1	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	RHEL / OEL 5.5 64bit	3.2.9	2.1.11.0.70	15
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	RHEL / OL 5.6 64bit	3.2.9	2.1.11.0.70	15
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	RHEL / OL 5.7 64bit	3.2.9	2.1.11.0.70	15
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	RHEL / OL 5.8 64bit	3.4.8-k	2.1.11.0.70	15
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 10.4 64bit	3.2.9	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9	2.1.11.0.70	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0	1.3.36	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i	1.3.36	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U1	1.3.36	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U1	1.3.36	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	2.0.38.2.5-2vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	2.0.38.2.5-2vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U3	2.0.38.2.5-2vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U3	2.0.38.2.5-2vmw	2.1.11.0.70	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0 U4	2.0.38.2.5-2vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.0i U4	2.0.38.2.5-2vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200 and B250 M1	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1 U2	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i U2	2.0.38.2.5.1-1vmw	2.1.11.0.70	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 x64 SP2	2.4.29.1	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	2.4.29.1	2.1.11.0.70	
B200 and B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64 SP1	2.4.29.1	2.1.11.0.70	

RAID Controller on Motherboard Interoperability Matrix

Table 5 lists the RAID controllers on motherboard that the Unified Computing System B Series Servers support.

Table 5: RAID Controller on Motherboard

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OEL 5.5 64bit	4.26.00.00	1.32.04.00	15
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 5.6 64bit	3.0.4.15rh	1.32.04.00	15
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 5.7 64bit	3.0.4.18rh	1.32.04.00	15
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 5.8 64bit	3.0.4.20rh	1.32.04.00	15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 6.0 64bit	4.26.00.00	1.32.04.00	15
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 6.1 64bit	3.04.18	1.32.04.00	15
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	RHEL / OL 6.2 64bit	3.04.19	1.32.04.00	15
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Solaris 10 09/10	1.100	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 10.4 64bit	3.04.17_suse	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 11.1 64bit	4.26.00.00	1.32.04.00	
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 11.2 64bit	4.28.00.00	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0	4.00.37.00.23vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i	4.00.37.00.23vmw	1.32.04.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U1	4.00.37.00.27vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U1	4.00.37.00.27vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U2	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U2	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U3	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U3	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U4	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U4	4.00.37.00.29vmw	1.32.04.00	
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1	4.21.00.01.1-5vmw	1.32.04.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i	4.21.00.01.1-5vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1 U1	4.21.00.01.1-5vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i U1	4.21.00.01.1-5vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1 U2	4.21.00.01.1-5vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i U2	4.21.00.01.1-5vmw	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0	4.23.01.00-5	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0 U1	4.23.01.00-5	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 x64 SP2	1.34.02.00	1.32.04.00	
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 x64	1.34.02.00	1.32.04.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 and B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 x64 SP1	1.34.02.00	1.32.04.00	
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 5.6 SP2	4.22	1.32.04.00	
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.0	4.22	1.32.04.00	
B200 and B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.0.2	4.22	1.32.04.00	
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OEL 5.5 64bit	00.00.04.37	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 5.6 64bit	00.00.04.31	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 5.7 64bit	00.00.05.38-rh1	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 5.8 64bit	00.00.05.40-rh2	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 6.0 64bit	00.00.04.28-RH1	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 6.1 64bit	00.00.05.34-rc1	20.10.1-0042	15
B230 M1 & M2	LSI Logic MegaSAS 9240	RHEL / OL 6.2 64bit	00.00.05.40-rh2	20.10.1-0042	15
B230 M2	LSI Logic MegaSAS 9240	Solaris 10 09/10	03.03.00	20.10.1-0042	3
B230 M1 & M2	LSI Logic MegaSAS 9240	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.37	20.10.1-0042	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M2	LSI Logic MegaSAS 9240	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0042	
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0 U2	4.32	20.10.1-0042	11
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0i U2	4.32	20.10.1-0042	23
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0 U3	4.32	20.10.1-0042	11
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0i U3	4.32	20.10.1-0042	23
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0 U4	4.32	20.10.1-0042	11
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.0i U4	4.32	20.10.1-0042	23
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.1	5.33	20.10.1-0042	11
B230 M1	LSI Logic MegaSAS 9240	vSphere 4.1i	5.33	20.10.1-0042	23
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 4.1 U1	5.33	20.10.1-0042	11
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 4.1i U1	5.33	20.10.1-0042	23
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 4.1 U2	5.33	20.10.1-0042	11
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 4.1i U2	5.33	20.10.1-0042	23
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 5.0	5.34	20.10.1-0042	11, 23
B230 M1 & M2	LSI Logic MegaSAS 9240	vSphere 5.0 U1	5.34	20.10.1-0042	11, 23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M1 & M2	LSI Logic MegaSAS 9240	Windows Server 2008 x64 SP2	4.32.0.64	20.10.1-0042	
B230 M1 & M2	LSI Logic MegaSAS 9240	Windows Server 2008 R2 x64	4.32.0.64	20.10.1-0042	
B230 M1 & M2	LSI Logic MegaSAS 9240	Windows Server 2008 R2 x64 SP1	4.32.0.64	20.10.1-0042	
B230 M2	LSI Logic MegaSAS 9240	XenServer 5.6 SP2	4.27-SL1	20.10.1-0042	
B230 M2	LSI Logic MegaSAS 9240	XenServer 6.0	5.41	20.10.1-0042	
B230 M2	LSI Logic MegaSAS 9240	XenServer 6.0.2	5.41	20.10.1-0042	
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OEL 5.5 64bit	00.00.04.37	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 5.6 64bit	00.00.04.31	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 5.7 64bit	00.00.05.38-rh1	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 5.8 64bit	00.00.05.40-rh2	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 6.0 64bit	00.00.04.28-RH1	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 6.1 64bit	00.00.05.34-rc1	12.12.0-0050	15
B440 M1 & M2	LSI Logic MegaSAS 9260	RHEL / OL 6.2 64bit	00.00.05.40-rh2	12.12.0-0050	15
B440 M2	LSI Logic MegaSAS 9260	Solaris 10 09/10	2.4	12.12.0-0050	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M1 & M2	LSI Logic MegaSAS 9260	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.37	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 9260	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	12.12.0-0050	
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0 U1	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0i U1	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0 U2	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0i U2	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0 U3	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0i U3	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0 U4	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.0i U4	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.1	5.33	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 9260	vSphere 4.1i	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 4.1 U1	5.33	12.12.0-0050	11
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 4.1i U1	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 4.1 U2	5.33	12.12.0-0050	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 4.1i U2	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 5.0	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 9260	vSphere 5.0 U1	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 9260	Windows Server 2008 x64 SP2	4.32.0.64	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 9260	Windows Server 2008 R2 x64	4.32.0.64	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 9260	Windows Server 2008 R2 x64 SP1	4.32.0.64	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 9260	XenServer 5.6 SP2	4.27-SL1	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 9260	XenServer 6.0	5.41	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 9260	XenServer 6.0.2	5.41	12.12.0-0050	
B200 M3	LSI Logic MegaRAID SAS 2004	RHEL / OL 5.7 64bit	00.00.05.38-rh1	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	RHEL / OL 5.8 64bit	00.00.05.40-rh2	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	RHEL / OL 6.1 64bit	00.00.05.39	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	RHEL / OL 6.2 64bit	00.00.05.40-rh2	20.10.1-0061	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3	LSI Logic MegaRAID SAS 2004	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1 U2	5.33	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1i U2	5.33	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.0	5.34	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.0 U1	5.34	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	Windows Server 2008 R2 x64 SP1	5.1.112.64	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	XenServer 6.0	5.41	20.10.1-0061	
B200 M3	LSI Logic MegaRAID SAS 2004	XenServer 6.0.2	5.41	20.10.1-0061	
B22 M3	LSI Logic MegaRAID SAS 2002	RHEL / OL 5.7 64bit	00.00.05.38-rh1	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	RHEL / OL 5.8 64bit	00.00.05.40-rh2	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	RHEL / OL 6.1 64bit	00.00.05.39	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	RHEL / OL 6.2 64bit	00.00.05.40-rh2	20.10.1-0100	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22 M3	LSI Logic MegaRAID SAS 2002	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 4.1 U2	5.33	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 4.1i U2	5.33	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.0	5.34	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.0 U1	5.34	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2008 R2 x64 SP1	5.1.112.64	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	XenServer 6.0	5.41	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	XenServer 6.0.2	5.41	20.10.1-0100	

Storage Array Interoperability Matrix

Table 6 lists the storage array models that are supported with this version of the Unified Computing System.

Table 6: Storage Array

Vendor	Storage Array Model	Array Firmware	Notes
EMC	EMC Symmetrix family (VMAX & DMX), EMC CLARiiON (AX & CX) EMC Unified Storage VNX EMC Celerra (Native Block)	Refer to storage vendor's support list, https://elabnavigator.emc.com	6, 7, 12, 25

Vendor	Storage Array Model	Array Firmware	Notes
Netapp	FAS2000 series, FAS3000 series, FAS6000 series, FAS3100 series, FAS3200 series, FAS6200 series, V3000 series, V6000 series	Refer to storage vendor's support list, http://support.netapp.com/	6, 7, 12, 25
HP	EVA 4000/6000/8000/4100/6100/8100, EVA 4400/6400/8400, P6300, P6500. XP 10000/12000, XP 20000/24000, P9500. MSA 2000, P2000		
HP	HP 3PAR F200, F400, T400, T800, HP 3PAR StoreServ 10000 Storage HP 3PAR StoreServ 7000 Storage	Refer to storage vendor's support list, http://h20272.www2.hp.com/	5, 6, 7
HDS	USP-V, USP-VM, VSP, AMS 1000, 2000 Series: AMS 2100, AMS 2300, AMS 2500, HUS100 Series	Refer to storage vendor's support list, http://www.hds.com/products/interoperability/	6, 7
IBM	DS 8100, DS 5300, SVC, Storwize V7000, IBM N-Series, DS 3500, DS 4800, XIV (gen 2)		
Nimble	CS-Series Family	Refer to storage vendor's support list, http://www.nimblestorage.com/support/	6, 7, 12
Nexsan	Nexsan E60, E60X, E48, E48X, E18, E18X	Refer to storage vendor's support list, https://partners.nexsan.com/PowertrakWeb/portal_login.aspx?url=https://partners.nexsan.com/PowertrakWeb/index.aspx?portal_mode=true%26redirect_url=../Nexsan_PHP/webFileLocation/compatibility_guide/Nexsan_Compatibility_Guide.pdf	2

Switch Interoperability Matrix

Table 7 lists the switch models that are supported with this version of the Unified Computing System.

Table 7: Switch

Vendor	Switch Model	Notes
Brocade	300, 5100, 5300: 5.2.1, 6.4.1b, 6.3.2a, 6.4.2a	2, 16

Vendor	Switch Model	Notes
Brocade	4100, 48000, 4900, 5000: 5.2.1, 6.4.1b, 6.3.2a, 6.4.2a	2, 16
Brocade	7500: 5.2.1, 6.4.1b	2, 16
Brocade	DCX-4S: 6.4.1b	2, 16
Brocade	DCX: 6.4.1b	2, 16
Cisco	MDS: 4.2.1b	1, 2, 9
Cisco	Nexus 7000: 5.2(4)	1, 2, 9
Cisco	Nexus 5000: 5.1(3)N1(1)	1, 2, 9

Notes

- 1 Code levels greater than or equal to these listed versions are deemed by Cisco to be interoperable
- 2 The storage vendor's interoperability matrix should be consulted for switch software revisions that are supported with their arrays
- 3 SAN Boot requires removal of all local disks
- 4 Driver required for installation not included in OS image or not supported, download driver from cisco.com
- 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, UCS M72KR-Q is equivalent to QLogic QLE8142/QLE8152, UCS M72KR-E is equivalent to Emulex OCe10102-F
- 9 Specific switch features must be supported on all switches used, please consult release notes for each switch product to determine support for the desired feature
- 10 To upgrade to ESXi 4.0 U3 or U4 and ESXi 4.1 U1 or U2, 1st install the Cisco custom image (refer to note 23)
- 11 The listed driver version is required for support. The updated Driver CD is available from VMware.com > All Downloads > VMware vSphere > Drivers & Tools > VMware ESX/ESXi Driver CD for Cisco FCoE CNA
- 12 iSCSI Boot is supported. Both Appliance and Uplink ports are supported unless otherwise noted
- 13 Refer to the UCS 82598KR-CI 10-Gigabit Ethernet Adapter for the supported Ethernet driver on this Converged Network Adapter
- 14 The 2104XP fabric extender is not compatible when the 1240 and 1280 or 1240 and VIC Port Expander are combined on the same blade

- 15 Only the RHEL compatible kernel is supported when using this Oracle Linux distribution
- 16 UCS Fabric Interconnect must be in FC End Host mode and upstream switch NPIV enabled
- 17 iSCSI Boot is not supported on Windows Server Core
- 18 For SAN boot configurations two SLES PTFs are required:
https://you.novell.com/update/x86_64/update/SUSE-SLES/11/PTF/e9a758d22183504af2d5ab4d9a9853da/20110120/
 and <http://download.novell.com/Download?buildid=maEKPbhvlnk~>
- 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 All variations of OS are supported for this version, including Windows Server Core, Full and Hyper-V Standalone
- 23 The listed driver version is required for support. They are contained in the Cisco OEM Customized ESX ISO available from VMware.com > downloads > VMware vSphere Hypervisor (ESXi)
- 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 Direct Connect FC and FCoE topologies with upstream MDS/N5K FC Switch are supported with this array
- 26 M3 blade requires the VIC 1240
- 27 NIC Teaming driver is not currently supported with Hyper-V
- 28 ESX NPIV Host Feature is not supported

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>

Cisco UCS B-Series Blade Server Software is available for download here:

<http://www.cisco.com/cisco/software/type.html?mdfid=283853163&flowid=25821>

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