



# 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](http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html). For UCSM release 2.0(5) using the UCS 2.0(5) 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(5). The content of this document is updated on a regular basis. The current version was created on 2014-03-31.

## 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, B250, B230, B440 M2	Citrix	XenServer 5.6 SP2	
B200, B250, B230, B440 M2 and B200, B22 M3	Citrix	XenServer 6.0	
B200, B250, B230, B440 M2 and B200, B22, B420 M3	Citrix	XenServer 6.0.2	
B200, B250, B230, B440 M2 and B200, B22, B420 M3	Citrix	XenServer 6.1	
B200, B250, B230, B440 M1 & M2 and B200, B22 M3	Microsoft	Windows Server 2008 SP2 x64	22
B200, B250, B230, B440 M1 & M2	Microsoft	Windows Server 2008 R2 x64	22
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	Microsoft	Windows Server 2008 R2 SP1 x64	22
B200, B250, B230, B440 M2 and B200, B22, B420 M3	Microsoft	Windows Server 2012	22
B200, B250 M1 & M2	SuSE	SUSE Linux Enterprise Server 10.4 64bit	
B200, B250, B230, B440 M1 & M2	SuSE	SUSE Linux Enterprise Server 11.1 64bit	18
B200, B250, B230, B440 M2 and B200, B22, B420 M3	SuSE	SUSE Linux Enterprise Server 11.2 64bit	
B230, B440 M2 and B200, B22, B420 M3	Oracle	OL 6.3 64bit with UEK 2.6.39-200	15
B230, B440 M2 and B200, B22, B420 M3	Oracle	OVM 3.1.1 64bit with UEK 2.6.39-200	

<b>UCS Blade Server</b>	<b>Vendor</b>	<b>Operating System Version</b>	<b>Notes</b>
B200, B250, B230, B440 M2	Oracle	Solaris 10 09/10 (U9)	
B200, B250, B230, B440 M2	Oracle	Solaris 10 08/11 (U10)	
B200, B250, B230, B440 M1 & M2	Red Hat	Red Hat Enterprise Linux 5.5 64bit	
B200, B250, B230, B440 M1 & M2	Red Hat	Red Hat Enterprise Linux 5.6 64bit	
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 5.7 64bit	
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 5.8 64bit	
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 5.9 64bit	
B200, B250 M2 and B230, B440 M1 & M2	Red Hat	Red Hat Enterprise Linux 6.0 64bit	
B200, B250 M2 and B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 6.1 64bit	
B200, B250 M2 and B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 6.2 64bit	
B200, B250 M2 and B230, B440 M1 & M2 and B200, B22, B420 M3	Red Hat	Red Hat Enterprise Linux 6.3 64bit	
B200, B250 M1	VMware	vSphere 4.0	21
B200, B250 M1	VMware	vSphere 4.0i	21
B200, B250 M1 & M2 and B440 M1	VMware	vSphere 4.0 U1	5, 19, 20, 24
B200, B250 M1 & M2 and B440 M1	VMware	vSphere 4.0i U1	5, 19, 20, 24

<b>UCS Blade Server</b>	<b>Vendor</b>	<b>Operating System Version</b>	<b>Notes</b>
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0 U2	24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0i U2	24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0 U3	24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0i U3	10, 24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0 U4	24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.0i U4	10, 24
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.1	
B200, B250 M1 & M2 and B230, B440 M1	VMware	vSphere 4.1i	
B200, B250, B230, B440 M1 & M2	VMware	vSphere 4.1 U1	11
B200, B250, B230, B440 M1 & M2	VMware	vSphere 4.1i U1	10
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 4.1 U2	11
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 4.1i U2	10
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 4.1 U3	11
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 4.1i U3	10
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 5.0	

UCS Blade Server	Vendor	Operating System Version	Notes
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 5.0 U1	
B200, B250, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 5.0 U2	
B250 M2 and B200, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 5.1	
B250 M2 and B200, B230, B440 M1 & M2 and B200, B22, B420 M3	VMware	vSphere 5.1 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	VEM410-201108406	vSphere 4.1 U3	v132-4.2.1.1.4.1.0-2.0.4
VM-FEX	VEM410-201108406	vSphere 4.1i U3	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

Software Type	Software Version	Operating System	Driver
VM-FEX	VEM500-20110825132140-BG-release	vSphere 5.0 U1	v132-4.2.1.1.4.1.0-3.0.4
VM-FEX	VEM500-20110825132140-BG-release	vSphere 5.0 U2	v132-4.2.1.1.4.1.0-3.0.4
VM-FEX	cisco-vem-v151-5.1-1.1.1.1	vSphere 5.1	cisco-vem-v151-5.1-1.1.1.1
VM-FEX	cisco-vem-v151-5.1-1.1.1.1	vSphere 5.1 U1	cisco-vem-v151-5.1-1.1.1.1
VM-FEX		Redhat Enterprise Linux 6.1 64bit	2.1.1.35 (enic)
VM-FEX		Redhat Enterprise Linux 6.2 64bit	2.1.1.35 (enic)
VM-FEX		Redhat Enterprise Linux 6.3 64bit	2.1.1.38 (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
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	OL 6.3 64bit with UEK 2.6.39-200	1.5.0.18 / 2.1.1.24 (NIC)	2.0(5)	14, 15
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	OVM 3.1.1 64bit with UEK 2.6.39-200	1.5.0.18 / 2.1.1.24 (NIC)	2.0(5)	14, 26
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 5.7 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 5.8 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 5.9 64bit	1.5.0.20 (FNIC) / 2.1.1.33 (ENIC)	2.0(5)	12, 14, 27
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(5)	12, 14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 6.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 6.3 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1 U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 14, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1i U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 14, 23, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1 U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 14, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 4.1i U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 14, 23, 32

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0	1.5.0.8 (FNIC) / 2.1.2.22 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0 U2	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.1 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B22 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2008 SP2 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 14, 17, 28
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2008 R2 SP1 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 14, 17, 28
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2012	2.2.0.17 (FNIC) / 2.2.0.13 (ENIC)	2.0(5)	12, 14, 17, 31
B200, 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(5)	14



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.0.2	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	14
B200, B22, B420 M3	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.1	1.5.0.20 (FNIC) / 2.1.1.39-1 (ENIC)	2.0(5)	4, 14, 30
B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	OL 6.3 64bit with UEK 2.6.39-200	1.5.0.18 / 2.1.1.24 (NIC)	2.0(5)	14, 15
B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	OVM 3.1.1 64bit with UEK 2.6.39-200	1.5.0.18 / 2.1.1.24 (NIC)	2.0(5)	14, 26
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 5.7 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 5.8 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 5.9 64bit	1.5.0.20 (FNIC) / 2.1.1.33 (ENIC)	2.0(5)	12, 14, 27
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(5)	12, 14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 6.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 6.3 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12, 14

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 4.1 U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 14, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 4.1i U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 4.1 U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 14, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 4.1i U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 5.0	1.5.0.8 (FNIC) / 2.1.2.22 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 5.0 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 5.0 U2	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 5.1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	vSphere 5.1 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 12, 14, 23, 32
B200, B230, B440 M2 and B200, B22 M3	UCS 1280 Virtual Interface Card	Windows Server 2008 SP2 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 14, 17, 28
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Windows Server 2008 R2 SP1 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 14, 17, 28
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	Windows Server 2012	2.2.0.17 (FNIC) / 2.2.0.13 (ENIC)	2.0(5)	12, 14, 17, 31
B200, B230, B440 M2 and B200, B22 M3	UCS 1280 Virtual Interface Card	XenServer 6.0	1.4.0.145 / 2.1.1.29 (NIC)	2.0(5)	14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	XenServer 6.0.2	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	14
B200, B230, B440 M2 and B200, B22, B420 M3	UCS 1280 Virtual Interface Card	XenServer 6.1	1.5.0.20 (FNIC) / 2.1.1.39-1 (ENIC)	2.0(5)	4, 14, 30
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.5 64bit	1.5.0.3 / 2.1.1.24 (NIC)	2.0(5)	
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.6 64bit	1.5.0.1 / 2.1.1.24 (NIC)	2.0(5)	12
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.7 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.8 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.9 64bit	1.5.0.20 (FNIC) / 2.1.1.33 (ENIC)	2.0(5)	12, 27
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.0 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(5)	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.1 64bit	1.5.0.1 / 2.1.1.35 (NIC)	2.0(5)	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.3 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	12
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.1 64bit	1.5.0.20 (FNIC) / 2.1.1.35 (ENIC)	2.0(5)	18
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	
B200, 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(5)	11, 32
B200, 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(5)	11, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	11, 32

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U2	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	23, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U3	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	11, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U3	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	23, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0 U4	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	11, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.0i U4	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	10, 23, 24, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	11, 32
B200, B250 M1 & M2 and B230, B440 M1	UCS M81KR Virtual Interface Card	vSphere 4.1i	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	23, 32
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	vSphere 4.1 U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	11, 32
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	vSphere 4.1i U1	1.4.0.201 / 2.1.2.20 (NIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 4.1 U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 4.1i U2	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 4.1 U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	11, 32

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 4.1i U3	1.4.0.213 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 5.0	1.5.0.8 (FNIC) / 2.1.2.22 (ENIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 5.0 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 5.0 U2	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B250 M2 and B200, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	vSphere 5.1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B250 M2 and B200, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	vSphere 5.1 U1	1.5.0.20 (FNIC) / 2.1.2.38 (ENIC)	2.0(5)	10, 12, 23, 32
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Windows Server 2008 SP2 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 17, 28
B200, B250, B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 17, 28
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 SP1 x64	2.1.0.20 (FNIC) / 2.2.0.13 (ENIC) / 2.1.0.4 (NIC Teaming Driver)	2.0(5)	12, 17, 28
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	Windows Server 2012	2.2.0.17 (FNIC) / 2.2.0.13 (ENIC)	2.0(5)	12, 17, 31
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 5.6 SP2	1.4.0.145 / 2.1.1.29 (NIC)	2.0(5)	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 6.0	1.4.0.145 / 2.1.1.29 (NIC)	2.0(5)	
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 6.0.2	1.5.0.20 (FNIC) / 2.1.1.41 (ENIC)	2.0(5)	
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 6.1	1.5.0.20 (FNIC) / 2.1.1.39-1 (ENIC)	2.0(5)	4, 30
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.5 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.6 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.7 64bit	8.2.0.106 / 4.0.462.0 (NIC)	4.0.467.0	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.8 64bit	8.2.0.108.4p / 4.0.100r (NIC)	4.0.467.0	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.2.0.128.3p / 4.2.116r (NIC)	4.0.467.0	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.0 64bit	8.3.5.44 / 4.0.462.0 (NIC)	4.0.467.0	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.1 64bit	8.3.5.44 / 4.0.462.0 (NIC)	4.0.467.0	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.2 64bit	8.3.5.45.4p / 4.0.160r (NIC)	4.0.467.0	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.3 64bit	8.3.5.68.5p / 4.1.307r (NIC)	4.0.467.0	8
B200, 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	8
B200, B250, B230, B440 M1 & M2	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	8, 18
B200, 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	8, 11
B200, 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	8, 11
B200, B250 M1 & M2 and B230, 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	8, 11
B200, B250 M1 & M2 and B230, 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	8, 23
B200, B250 M1 & M2 and B230, 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	8, 11



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B230, 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	8, 23
B200, B250 M1 & M2 and B230, 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	8, 11
B200, B250 M1 & M2 and B230, 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	8, 23
B200, B250 M1 & M2 and B230, 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	8, 11
B200, B250 M1 & M2 and B230, 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	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 11
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U2	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 11
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U2	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1 U3	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 11
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 4.1i U3	8.2.1.105.34 / 4.0.306.0 (NIC)	4.0.467.0	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 5.0	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 5.0 U1	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 5.0 U2	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	8, 11, 23
B200, B250, B230, B440 M2	UCS M72KR-E Converged Network Adapter	vSphere 5.1	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	8, 11, 23
B200, B250, B230, B440 M2	UCS M72KR-E Converged Network Adapter	vSphere 5.1 U1	8.2.2.105.36 / 4.0.355.1 (NIC)	4.0.467.0	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Windows Server 2008 SP2 x64	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 SP1 x64	7.2.50.007 / 4.0.449.0 (NIC)	4.0.467.0	8
B200, B250, B230, B440 M2	UCS M72KR-E Converged Network Adapter	Windows Server 2012	2.72.012.001 / 4.2.313.0 (NIC)	4.0.467.0	8
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.5 64bit	8.2.0.96	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.6 64bit	8.2.0.96	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.7 64bit	8.2.0.96.2p	2.0(5)	8, 13
B200, B250 M1 & M2	UCS M71KR-E Converged Network Adapter	SUSE Linux Enterprise Server 10.4 64bit	8.2.0.92.1p	2.0(5)	8, 13
B200, 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(5)	8, 13, 18
B200, B250 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0	8.2.0.30.49vmw	2.0(5)	8, 13
B200, B250 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i	8.2.0.30.49vmw	2.0(5)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U1	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U1	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U2	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U2	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U3	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U3	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0 U4	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.0i U4	8.2.0.30.52vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1	8.2.1.30.1-58vmw	2.0(5)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U1	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U1	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U2	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U2	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1 U3	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	vSphere 4.1i U3	8.2.1.30.1-58vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 SP2 x64	7.2.41.002	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 x64	7.2.41.002	2.0(5)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 SP1 x64	7.2.41.002	2.0(5)	8, 13
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.5 64bit	8.03.03.15.05.06-k	1.02.13	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.6 64bit	8.03.01.05.05.06-k	1.02.13	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.7 64bit	8.03.07.03.05.07-k / 1.0.00.25 (NIC)	1.02.13	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.8 64bit	8.03.07.09.05.08-k / 1.0.00.29 (NIC)	1.02.13	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.03.07.15.05.09-k / 1.0.00.30 (NIC)	1.02.13	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.0 64bit	8.03.04.12.06.0-k0 / 1.00.00.23.00.00-01 (NIC)	1.02.13	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.1 64bit	8.03.07.03.06.1-k / 1.00.00.27 (NIC)	1.02.13	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.2 64bit	8.03.07.05.06.2-k / 1.00.00.29 (NIC)	1.02.13	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.3 64bit	8.04.00.04.06.3-k / 1.00.00.30 (NIC)	1.02.13	8
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	Solaris 10 09/10 (U9)	20100301-3.00 / 100429-v1.05 (NIC)	1.02.13	8
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	Solaris 10 08/11 (U10)	3.06 / 1.10 (NIC)	1.02.13	8
B200, 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	8
B200, B250, B230, B440 M1 & M2	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	8, 18
B200, B250 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, 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	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0 U4	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.0i U4	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250 M1 & M2 and B230, B440 M1	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U1	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U2	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1 U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 11
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 4.1i U3	832.k1.27vmw / 1.0.0.43 (NIC)	1.02.13	8, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.0	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.0 U1	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.0 U2	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	8, 11, 23
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.1	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	8, 11, 23
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.1 U1	911.k1.1-19vmw / 1.0.0.47 (NIC)	1.02.13	8, 11, 23
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 SP2 x64	9.1.8.27 / 1.0.1.12 (NIC)	1.02.13	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27 / 1.0.1.12 (NIC)	1.02.13	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 SP1 x64	9.1.8.27 / 1.0.1.2 (NIC)	1.02.13	8
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2012	9.1.10.15 / 1.0.1.15 (NIC)	1.02.13	8
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.5 64bit	8.03.03.15.05.06-k	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.6 64bit	8.03.01.05.05.06-k	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.7 64bit	8.03.07.03.05.07-k	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.8 64bit	8.03.07.09.05.08-k	2.0(5)	8, 13
B200, 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(5)	8, 13
B200, 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(5)	8, 13, 18

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0	8.02.01-k1-vmw38	2.0(5)	8, 13
B200, B250 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i	8.02.01-k1-vmw38	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U1	8.02.01-k1-vmw43	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U1	8.02.01-k1-vmw43	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U2	8.02.01-k1-vmw48	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U2	8.02.01-k1-vmw48	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U3	8.02.01-k1-vmw48	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U3	8.02.01-k1-vmw48	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0 U4	8.02.01-k1-vmw48	2.0(5)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.0i U4	8.02.01-k1-vmw48	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U1	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U1	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U2	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U2	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1 U3	831.k1.28.1-1vmw	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	vSphere 4.1i U3	831.k1.28.1-1vmw	2.0(5)	8, 13

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 SP2 x64	9.1.8.27	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 x64	9.1.8.27	2.0(5)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Windows Server 2008 R2 SP1 x64	9.1.8.27	2.0(5)	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
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.5 64bit	1.62.17 / 2.1.3b (iSCSI)	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.6 64bit	1.62.17 / 2.1.3b (iSCSI)	6.2.15.23.7.1	12
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.7 64bit	1.62.00-6 / 2.1.3b (iSCSI)	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.8 64bit	1.70.00-0	6.2.15.23.7.1	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M2 and B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.0 64bit	1.62.17	6.2.15.23.7.1	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.1 64bit	1.62.00-6	6.2.15.23.7.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.2 64bit	1.70.00-0	6.2.15.23.7.1	
B200, 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	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	1.62.17	6.2.15.23.7.1	
B200, 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, 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, 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
B200, 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

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

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	1.62.15.v41	6.2.15.23.7.1	12, 23
B200, B250, B230, B440 M1 & M2	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
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 4.1i U2	1.62.15.v41	6.2.15.23.7.1	12, 23
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 5.0	1.61.15.v50.1	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	vSphere 5.0 U1	1.61.15.v50.1	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 SP2 x64	6.2.9.0	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	6.2.9.0	6.2.15.23.7.1	12, 17
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 SP1 x64	6.2.9.0 / 6.2.7.0 (iSCSI)	6.2.15.23.7.1	12, 17
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.5 64bit	3.2.9	2.1.60.1.1	



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.6 64bit	3.2.9	2.1.60.1.1	
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.7 64bit	3.2.9	2.1.60.1.1	
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.8 64bit	3.4.8-k	2.1.60.1.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.0 64bit	3.2.9	2.1.60.1.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.1 64bit	3.3.9	2.1.60.1.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.2 64bit	3.4.8-k	2.1.60.1.1	
B200, 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	
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9	2.1.60.1.1	
B200, B250 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0	3.1.17.1	2.1.60.1.1	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, 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, 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, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U2	3.1.17.1	2.1.60.1.1	11
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U2	3.1.17.1	2.1.60.1.1	23
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U3	3.1.17.1	2.1.60.1.1	11
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U3	3.1.17.1	2.1.60.1.1	23
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0 U4	3.1.17.1	2.1.60.1.1	11
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.0i U4	3.1.17.1	2.1.60.1.1	23
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1	3.1.17.1	2.1.60.1.1	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2 and B230, B440 M1	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i	3.1.17.1	2.1.60.1.1	23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U1	3.1.17.1	2.1.60.1.1	11
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i U1	3.1.17.1	2.1.60.1.1	23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U2	3.1.17.1	2.1.60.1.1	11
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i U2	3.1.17.1	2.1.60.1.1	23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1 U3	3.1.17.1	2.1.60.1.1	11
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 4.1i U3	3.1.17.1	2.1.60.1.1	23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.0	3.7.13	2.1.60.1.1	11, 23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.0 U1	3.7.13	2.1.60.1.1	11, 23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.1	3.7.13	2.1.60.1.1	11, 23
B200, B250, B230, B440 M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	vSphere 5.1 U1	3.7.13	2.1.60.1.1	11, 23
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 SP2 x64	2.7.28.0	2.1.60.1.1	
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 x64	2.7.28.0	2.1.60.1.1	
B200, B250, B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 SP1 x64	2.7.28.0	2.1.60.1.1	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.5 64bit	3.2.9	2.1.11.0.70	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.6 64bit	3.2.9	2.1.11.0.70	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.7 64bit	3.2.9	2.1.11.0.70	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.8 64bit	3.4.8-k	2.1.11.0.70	

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

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

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, 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, 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	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1 U3	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	vSphere 4.1i U3	2.0.38.2.5.1-1vmw	2.1.11.0.70	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 SP2 x64	2.4.29.1	2.1.11.0.70	
B200, 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, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 SP1 x64	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**

<b>UCS Blade Server</b>	<b>Adapter Model</b>	<b>Operating System</b>	<b>Adapter Driver</b>	<b>Adapter Firmware</b>	<b>Notes</b>
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.5 64bit	4.26.00.00	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.6 64bit	3.0.4.15rh	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.7 64bit	3.0.4.18rh	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.8 64bit	3.0.4.20rh	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.9 64bit	3.0.4.20rh	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.0 64bit	4.26.00.00	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.1 64bit	3.04.18	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.2 64bit	3.04.19	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.3 64bit	3.0.4.20	1.32.04.00	



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Solaris 10 09/10 (U9)	1.100	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Solaris 10 08/11 (U10)	1.109	1.32.04.00	
B200, 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, 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, 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, B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0	4.00.37.00.23vmw	1.32.04.00	
B200, B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i	4.00.37.00.23vmw	1.32.04.00	
B200, B250 M1	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0 U1	4.00.37.00.27vmw	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.0i U1	4.00.37.00.27vmw	1.32.04.00	

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

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, 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, 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, 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, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1 U3	4.21.00.01.1-5vmw	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 4.1i U3	4.21.00.01.1-5vmw	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0	4.23.01.00-5	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0 U1	4.23.01.00-5	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0 U2	4.23.01.00-5	1.32.04.00	
B250 M2 and B200 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.1	4.23.01.00-5	1.32.04.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B250 M2 and B200 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.1 U1	4.23.01.00-5	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 SP2 x64	1.34.02.00	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 x64	1.34.02.00	1.32.04.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 SP1 x64	1.34.02.00	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2012	1.34.2.6	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 5.6 SP2	4.22	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.0	4.22	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.0.2	4.22	1.32.04.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.1	4.28	1.32.04.00	
B230 M2	LSI Logic MegaSAS 2008 (9240)	OL 6.3 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	15

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M2	LSI Logic MegaSAS 2008 (9240)	OVM 3.1.1 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.5 64bit	00.00.04.37	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.6 64bit	00.00.04.31	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.7 64bit	00.00.05.38-rh1	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.8 64bit	00.00.05.40-rh2	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.0 64bit	00.00.04.28-RH1	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.1 64bit	00.00.05.34-rc1	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.2 64bit	00.00.05.40-rh2	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.3 64bit	00.00.06.14-rh1	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	Solaris 10 09/10 (U9)	03.03.00	20.10.1-0100	3
B230 M2	LSI Logic MegaSAS 2008 (9240)	Solaris 10 08/11 (U10)	03.03.00	20.10.1-0100	3

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.37	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0100	
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0 U2	4.32	20.10.1-0100	11
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0i U2	4.32	20.10.1-0100	23
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0 U3	4.32	20.10.1-0100	11
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0i U3	4.32	20.10.1-0100	23
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0 U4	4.32	20.10.1-0100	11
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.0i U4	4.32	20.10.1-0100	23
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1	5.33	20.10.1-0100	11
B230 M1	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1i	5.33	20.10.1-0100	23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1 U1	5.33	20.10.1-0100	11

<b>UCS Blade Server</b>	<b>Adapter Model</b>	<b>Operating System</b>	<b>Adapter Driver</b>	<b>Adapter Firmware</b>	<b>Notes</b>
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1i U1	5.33	20.10.1-0100	23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1 U2	5.33	20.10.1-0100	11
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1i U2	5.33	20.10.1-0100	23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1 U3	5.33	20.10.1-0100	11
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 4.1i U3	5.33	20.10.1-0100	23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.0	5.34	20.10.1-0100	11, 23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.0 U1	5.34	20.10.1-0100	11, 23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.0 U2	5.34	20.10.1-0100	11, 23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.1	5.34	20.10.1-0100	11, 23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.1 U1	5.34	20.10.1-0100	11, 23
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2008 SP2 x64	4.32.0.64	20.10.1-0100	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2008 R2 x64	4.32.0.64	20.10.1-0100	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2008 R2 SP1 x64	4.32.0.64	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2012	5.2.122.0	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 5.6 SP2	4.27-SL1	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 6.0	5.41	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 6.0.2	5.41	20.10.1-0100	
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 6.1	00.00.06.15	20.10.1-0100	
B440 M2	LSI Logic MegaSAS 2108 (9260)	OL 6.3 64bit with UEK 2.6.39-200	00.00.05.40	12.12.0-0050	15
B440 M2	LSI Logic MegaSAS 2108 (9260)	OVM 3.1.1 64bit with UEK 2.6.39-200	00.00.05.40	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.5 64bit	00.00.04.37	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.6 64bit	00.00.04.31	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.7 64bit	00.00.05.38-rh1	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.8 64bit	00.00.05.40-rh2	12.12.0-0050	



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.0 64bit	00.00.04.28-RH1	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.1 64bit	00.00.05.34-rc1	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.2 64bit	00.00.05.40-rh2	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.3 64bit	00.00.06.14-rh1	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	Solaris 10 09/10 (U9)	2.4	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	Solaris 10 08/11 (U10)	2.9	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.37	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	12.12.0-0050	
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0 U1	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0i U1	4.32	12.12.0-0050	11

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0 U2	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0i U2	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0 U3	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0i U3	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0 U4	4.32	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.0i U4	4.32	12.12.0-0050	23
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1	5.33	12.12.0-0050	11
B440 M1	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1i	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1 U1	5.33	12.12.0-0050	11
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1i U1	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1 U2	5.33	12.12.0-0050	11
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1i U2	5.33	12.12.0-0050	23

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1 U3	5.33	12.12.0-0050	11
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 4.1i U3	5.33	12.12.0-0050	23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.0	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.0 U1	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.0 U2	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.1	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.1 U1	5.34	12.12.0-0050	11, 23
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2008 SP2 x64	4.32.0.64	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2008 R2 x64	4.32.0.64	12.12.0-0050	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2008 R2 SP1 x64	4.32.0.64	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2012	5.2.122.0	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 5.6 SP2	4.27-SL1	12.12.0-0050	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 6.0	5.41	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 6.0.2	5.41	12.12.0-0050	
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 6.1	00.00.06.15	12.12.0-0050	
B200 M3	LSI Logic MegaRAID SAS 2004	OL 6.3 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	15
B200 M3	LSI Logic MegaRAID SAS 2004	OVM 3.1.1 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 5.7 64bit	00.00.05.38-rh1	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 5.8 64bit	00.00.05.40-rh2	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 6.1 64bit	00.00.05.39	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 6.2 64bit	00.00.05.40-rh2	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 6.3 64bit	00.00.06.14-rh1	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0100	

<b>UCS Blade Server</b>	<b>Adapter Model</b>	<b>Operating System</b>	<b>Adapter Driver</b>	<b>Adapter Firmware</b>	<b>Notes</b>
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1 U2	5.33	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1i U2	5.33	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1 U3	5.33	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 4.1i U3	5.33	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.0	5.34	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.0 U1	5.34	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.0 U2	5.34	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.1	5.34	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	vSphere 5.1 U1	5.34	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Windows Server 2008 SP2 x64	5.1.112.64	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Windows Server 2008 R2 SP1 x64	5.1.112.64	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	Windows Server 2012	5.2.122.0	20.10.1-0100	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3	LSI Logic MegaRAID SAS 2004	XenServer 6.0	5.41	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	XenServer 6.0.2	5.41	20.10.1-0100	
B200 M3	LSI Logic MegaRAID SAS 2004	XenServer 6.1	00.00.06.15	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	OL 6.3 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	15
B22 M3	LSI Logic MegaRAID SAS 2002	OVM 3.1.1 64bit with UEK 2.6.39-200	00.00.05.40	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 5.7 64bit	00.00.05.38-rh1	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 5.8 64bit	00.00.05.40-rh2	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 6.1 64bit	00.00.05.39	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 6.2 64bit	00.00.05.40-rh2	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 6.3 64bit	00.00.06.14-rh1	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	20.10.1-0100	

<b>UCS Blade Server</b>	<b>Adapter Model</b>	<b>Operating System</b>	<b>Adapter Driver</b>	<b>Adapter Firmware</b>	<b>Notes</b>
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 4.1 U3	5.33	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 4.1i U3	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	vSphere 5.0 U2	5.34	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.1	5.34	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.1 U1	5.34	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2008 SP2 x64	5.1.112.64	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2008 R2 SP1 x64	5.1.112.64	20.10.1-0100	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2012	5.2.122.0	20.10.1-0100	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
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	
B22 M3	LSI Logic MegaRAID SAS 2002	XenServer 6.1	00.00.06.15	20.10.1-0100	
B420 M3	LSI Logic MegaRAID SAS 2208	OL 6.3 64bit with UEK 2.6.39-200	00.00.05.40	23.2.1-0056	15
B420 M3	LSI Logic MegaRAID SAS 2208	OVM 3.1.1 64bit with UEK 2.6.39-200	00.00.05.40	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 5.7 64bit	00.00.05.38-rh1	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 5.8 64bit	00.00.05.40-rh2	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 6.1 64bit	00.00.05.39	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 6.2 64bit	00.00.05.40-rh2	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 6.3 64bit	00.00.05.40-rh2	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	SUSE Linux Enterprise Server 11.2 64bit	00.00.05.38-rc1	23.2.1-0056	



UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 4.1 U2	5.33	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 4.1i U2	5.33	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 4.1 U3	5.33	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 4.1i U3	5.33	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.0	5.34	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.0 U1	5.34	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.0 U2	5.34	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.1	5.34	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.1 U1	5.34	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Windows Server 2008 R2 SP1 x64	5.2.116.64	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	Windows Server 2012	5.2.122.0	23.2.1-0056	
B420 M3	LSI Logic MegaRAID SAS 2208	XenServer 6.0.2	00.00.05.41	23.2.1-0056	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B420 M3	LSI Logic MegaRAID SAS 2208	XenServer 6.1	00.00.06.15	23.2.1-0056	

### Storage Array Interoperability Matrix

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

Cisco's interoperability guidelines in this table apply to the following topologies and protocols:

- FC/FCoE-attached storage arrays (Fabric Interconnects in NPV mode or FC Switching Mode)
- UCSM-configured iSCSI boot
- iSCSI data LUN access if the storage array is directly connected to UCS Fabric Interconnects using Appliance Ports
- NFS or CIFS data access if the storage array is directly connected to UCS Fabric Interconnects using Appliance Ports



#### Note

Cisco UCS has no interoperability requirements for storage arrays configured to use iSCSI (Data Only), NFS, or CIFS when connected through UCS Fabric Interconnect Uplink Port.

**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 (5300, 5500, 5700, 7500) EMC Celerra (Native Block) EMC Isilon (NFS/CIFS)	Refer to storage vendor's support list, <a href="https://elabnavigator.emc.com">https://elabnavigator.emc.com</a>	6, 7, 12, 25, 29
HDS	USP-V, USP-VM, VSP, AMS 1000, 2000 Series: AMS 2100, AMS 2300, AMS 2500, HUS100 Series, HUS-VM	Refer to storage vendor's support list, <a href="http://www.hds.com/products/interoperability/">http://www.hds.com/ products/interoperability/</a>	6, 7
HP	EVA 4000/6000/8000/4100/6100/8100, EVA 4400/6400/8400, XP 10000/12000, XP 20000/24000, P9500, MSA 2000, P2000		
HP	HP 3PAR F200, F400, T400, T800 HP 3PAR StoreServ 7000 Storage HP 3PAR StoreServ 10000 Storage	Refer to storage vendor's support list, <a href="http://h20272.www2.hp.com/">http://h20272.www2.hp.com/</a>	6, 7

Vendor	Storage Array Model	Array Firmware	Notes
IBM	DS 8100, DS 5300, SVC, Storwize V7000, IBM N-Series, DS 3500, DS 4800, XIV (gen 2)		
Netapp	FAS2000 series, FAS3000 series, FAS6000 series, FAS3100 series, FAS3200 series, FAS6200 series, V3000 series, V6000 series	Refer to storage vendor's support list, <a href="http://support.netapp.com/">http://support.netapp.com/</a>	6, 7, 12, 25
Nimble	CS-Series Family	Refer to storage vendors support list, <a href="http://www.nimblestorage.com/support/">http://www.nimblestorage.com/support/</a>	6, 7, 12

### 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
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 Ethernet or FC driver required for installation not included in OS image or not supported, download driver from [cisco.com](http://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](http://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. Applies to B22 M3 and B200 M3 as well as B420 with 1240 and adapter slot 2 populated
- 15 Listed support is for the UEK Kernel only. For the RHEL compatible kernel, please refer to the RHEL versions
- 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/](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](http://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](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 Updating drivers during OS installation is currently not supported by Oracle. Update driver after the OS has completed installation.
- 27 Requires Errata RHSA-2013:0168, reference bugzilla 884740
- 28 NIC Teaming driver is not currently supported with Hyper-V
- 29 Supported for NFS/CIFS access via appliance ports on the Fabric Interconnect
- 30 For SAN installations, requires Citrix Hot fix CTX137645 and CTX137403
- 31 Windows 2012 NPIV Host Feature is not supported”
- 32 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>

### 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:

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