



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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For C-Series servers managed by UCSM, *unless otherwise indicated in this document*, the supported firmware and drivers are those listed in the 1.5(4) C-Series Compatibility guide, located at http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html.

For information about compatibility with different infrastructure bundles, please refer to the Release Note for the desired infrastructure bundle release.

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 2.2(1). The content of this document is updated on a regular basis. The current version was created on 2014-01-31.

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 and B22, B420 M3, B200 M3 w/E5-2600	Citrix	XenServer 6.1	
B200, B250, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Citrix	XenServer 6.2	
B200, B250, B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Microsoft	Windows Server 2008 R2 SP1 x64	18
B200, B250, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Microsoft	Windows Server 2012	18
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Microsoft	Windows Server 2012 R2	18
B22, B420 M3, B200 M3 w/E5-2600	Oracle	Solaris 11 10/12 (U1)	
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Oracle	OL 6.4 64bit with UEK R2 U5	

UCS Blade Server	Vendor	Operating System Version	Notes
B200, B250, B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Red Hat	Red Hat Enterprise Linux 5.9 64bit	
B200, B250, B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Red Hat	Red Hat Enterprise Linux 5.10 64bit	
B200, B250 M2 and B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Red Hat	Red Hat Enterprise Linux 6.4 64bit	
B200, B250 M2 and B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	Red Hat	Red Hat Enterprise Linux 6.5 64bit	
B200, B250, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600	SuSE	SUSE Linux Enterprise Server 11.2 64bit	
B200, B250, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	SuSE	SUSE Linux Enterprise Server 11.3 64bit	
B200 M3 w/E5-2600	Ubuntu	Ubuntu 12.04.2	
B200, B250, B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	VMware	vSphere 5.0 U2	
B200, B250, B230, B440 M1 & M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	VMware	vSphere 5.0 U3	

UCS Blade Server	Vendor	Operating System Version	Notes
B200, B250, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	VMware	vSphere 5.1 U1	
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	VMware	vSphere 5.5	
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3	Citrix	Xen Server 6.1	
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Citrix	Xen Server 6.2	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Microsoft	Windows Server 2008 R2 SP1 x64	
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Microsoft	Windows Server 2012	

UCS Blade Server	Vendor	Operating System Version	Notes
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Microsoft	Windows Server 2012 R2	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Redhat	Red Hat Enterprise Linux 5.9 64bit	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Redhat	Red Hat Enterprise Linux 5.10 64bit	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Redhat	Red Hat Enterprise Linux 6.4 64bit	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	Redhat	Red Hat Enterprise Linux 6.5 64bit	

UCS Blade Server	Vendor	Operating System Version	Notes
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3	SuSE	SUSE Linux Enterprise Server 11.2 64bit	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	SuSE	SUSE Linux Enterprise Server 11.3 64bit	
C220/C240 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	Ubuntu	Ubuntu 12.04.2 Server 64 bit	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	VMware	vSphere 5.0 U2	
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	VMware	vSphere 5.0 U3	

UCS Blade Server	Vendor	Operating System Version	Notes
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	VMware	vSphere 5.1 U1	
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	VMware	vSphere 5.5	

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	VEM500-20110825132140- BG-release	vSphere 5.0 U2	v132-4.2.1.1.4.1.0-3.0.4
VM-FEX	VEM500-20110825132140- BG-release	vSphere 5.0 U3	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 U1	cisco-vem-v151-5.1-1.1.1.1
VM-FEX	cisco-vem-v161-5.5-1.2.7.1	vSphere 5.5	cisco-vem-v161-5.5-1.2.7.1
VM-FEX	VM-FEX	Red Hat Enterprise Linux 6.4 64bit	2.1.1.52 (enic)
VM-FEX	VM-FEX	Red Hat Enterprise Linux 6.5 64bit	2.1.1.52 (enic)

Software Type	Software Version	Operating System	Driver
VM-FEX	VM-FEX	Windows Server 2012	2.4.0.15 (PF, VF enic) / 2.4.11 (vmfex_ext), 1.1.14 (UCSM provider)

usNIC Software Interoperability Matrix

Table 3 lists the usNIC Software that the Unified Computing System B Series Servers support.

Table 3: usNIC Software

Software Type	Adapter Model	Operating System	Driver
usNIC	1240 and Port Expander Card, 1280, 1225 Virtual Interface Card	Red Hat Enterprise Linux 6.4 64bit	2.1.1.52 (ENIC), 1.0.2.116-1 (usnic_verb), 1.0.1.116-1 (libusnic_verbs), 1.6.5 cisco1.0.2.120-1 (openmpi), 1.0.1.120-1 (usnic_tools)
usNIC	1240 and Port Expander Card, 1280, 1225 Virtual Interface Card	Red Hat Enterprise Linux 6.5 64bit	2.1.1.52 (ENIC), 1.0.2.116-1 (usnic_verb), 1.0.1.116-1 (libusnic_verbs), 1.6.5 cisco1.0.2.120-1 (openmpi), 1.0.1.120-1 (usnic_tools)

Converged Network Adapter Interoperability Matrix

Table 4 lists the converged network adapters that the Unified Computing System B Series Servers support.

Table 4: Converged Network Adapters

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	OL 6.4 64bit with UEK R2 U5	1.6.0.6 (FNIC) / 2.1.1.39 (ENIC)	2.2(1)	14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 5.9 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14, 27

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 5.10 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 6.4 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Red Hat Enterprise Linux 6.5 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B22, B420 M3, B200 M3 w/E5-2600	UCS 1240 Virtual Interface Card and Port Expander Card	SUSE Linux Enterprise Server 11.2 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	SUSE Linux Enterprise Server 11.3 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	14
B200 M3 w/E5-2600	UCS 1240 Virtual Interface Card and Port Expander Card	Ubuntu 12.04.2	2.1.1.39 (ENIC)	2.2(1)	3, 14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0 U2	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.0 U3	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.1 U1	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	vSphere 5.5	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2008 R2 SP1 x64	2.1.0.27 (FNIC) / 2.4.0.13 (ENIC) / 2.1.0.10 (NIC Teaming Driver)	2.2(1)	12, 14, 25
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2012	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	12, 14
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	Windows Server 2012 R2	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	10, 12, 14
B22, B420 M3, B200 M3 w/E5-2600	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.1	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4, 14, 29
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1240 Virtual Interface Card and Port Expander Card	XenServer 6.2	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4, 14
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	OL 6.4 64bit with UEK R2 U5	1.6.0.6 (FNIC) / 2.1.1.39 (ENIC)	2.2(1)	14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 5.9 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14, 27

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 5.10 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 6.4 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Red Hat Enterprise Linux 6.5 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600	UCS 1280 Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	SUSE Linux Enterprise Server 11.3 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	14
B200 M3 w/E5-2600	UCS 1280 Virtual Interface Card	Ubuntu 12.04.2	2.1.1.39 (ENIC)	2.2(1)	3, 14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	vSphere 5.0 U2	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	vSphere 5.0 U3	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	vSphere 5.1 U1	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	vSphere 5.5	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 14, 19, 31
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Windows Server 2008 R2 SP1 x64	2.1.0.27 (FNIC) / 2.4.0.13 (ENIC) / 2.1.0.10 (NIC Teaming Driver)	2.2(1)	12, 14, 25
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Windows Server 2012	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	12, 14
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	Windows Server 2012 R2	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	10, 12, 14
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600	UCS 1280 Virtual Interface Card	XenServer 6.1	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4, 14, 29

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 1280 Virtual Interface Card	XenServer 6.2	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4, 14
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.9 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12, 27
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 5.10 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.4 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12
B200, B250 M2 and B230, B440 M1 & M2	UCS M81KR Virtual Interface Card	Red Hat Enterprise Linux 6.5 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	12
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	SUSE Linux Enterprise Server 11.3 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 5.0 U2	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 19, 31
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	vSphere 5.0 U3	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 19, 31
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	vSphere 5.1 U1	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	11, 12, 19, 31

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250, B230, B440 M1 and M2	UCS M81KR Virtual Interface Card	Windows Server 2008 R2 SP1 x64	2.1.0.27 (FNIC) / 2.4.0.13 (ENIC) / 2.1.0.10 (NIC Teaming Driver)	2.2(1)	12, 25
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	Windows Server 2012	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	12
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 6.1	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4, 29
B200, B250, B230, B440 M2	UCS M81KR Virtual Interface Card	XenServer 6.2	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	4
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Red Hat Enterprise Linux 5.9 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Red Hat Enterprise Linux 5.10 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Red Hat Enterprise Linux 6.4 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Red Hat Enterprise Linux 6.5 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3	UCS VIC 1225 10-Gbps 2 port CNA SFP+	SUSE Linux Enterprise Server 11.2 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Ubuntu 12.04.2	2.1.1.39 (ENIC)	2.2(1)	3, 20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	vSphere 5.0 U2	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	vSphere 5.0 U3	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	vSphere 5.1 U1	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	vSphere 5.5	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Windows Server 2008 R2 SP1 x64	2.1.0.27 (FNIC) / 2.4.0.13 (ENIC) / 2.1.0.10 (NIC Teaming Driver)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Windows Server 2012	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	20, 21
C260 M2, C460 M2, C220/C240 M3(SFF/LFF), C240 M3 NEBS, C22/C24 M3(SFF/LFF), C420 M3, C220/C240 M3(SFF/LFF) w/E5-2600 V2	UCS VIC 1225 10-Gbps 2 port CNA SFP+	Windows Server 2012 R2	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 5.9 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 5.10 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.4 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.5 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF)	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	SUSE Linux Enterprise Server 11.2 64bit	1.6.0.6 (FNIC) / 2.1.1.52 (ENIC)	2.2(1)	20, 21
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Ubuntu 12.04.2	2.1.1.39 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF)	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0 U2	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0 U3	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/ C240 M3(SFF/ LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.1 U1	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/ C240 M3(SFF/ LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.5	1.6.0.5 (FNIC) / 2.1.2.42 (ENIC)	2.2(1)	20, 21
C200/C210 M1 & M2, C200 M2(SFF), C250 M1 & M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Windows Server 2008 R2 SP1 x64	2.1.0.27 (FNIC) / 2.4.0.13 (ENIC) / 2.1.0.10 (NIC Teaming Driver)	2.2(1)	20, 21

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Windows Server 2012	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	20, 21
C200/C210 M2, C200 M2(SFF), C250 M2, C260 M2, C460 M1 & M2, C220/C240 M3(SFF/LFF), C22/C24 M3(SFF/LFF), C220/C240 M3(SFF/LFF) w/E5-2600 V2	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Windows Server 2012 R2	2.4.0.8 (FNIC) / 2.4.0.13 (ENIC)	2.2(1)	20, 21
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.2.2.15 (FC) / 4.6.142.5 (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.10 64bit	8.2.0.128.3P (FC) / 4.2.116r (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.4 64bit	8.3.7.18 (FC) / 4.6.142.5 (ETH)	4.6.209.4	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.5 64bit	8.3.7.21.4p (FC) / 4.6.62.0r (ETH) inbox	4.6.209.4	8
B22, B420 M3, B200 M3 w/E5-2600	UCS M73KR-E Converged Network Adapter	Solaris 11 10/12 (U1)	20120210-2.70i (FC) / 4.1.369.1S (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	vSphere 5.0 U2	8.2.4.151.65 (FC) / 4.6.142.10 (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	vSphere 5.1 U1	8.2.4.151.65 (FC) / 4.6.142.10 (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	vSphere 5.5	8.2.3.1-129vmw (FC) / 4.6.100.0v (ETH)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Windows Server 2008 R2 SP1 x64	2.74.014.001 (FC) / 4.6.142.8 (ETH), 8.01.002.051 (NIC Teaming Driver)	4.6.209.4	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Windows Server 2012	2.74.014.001 (FC) / 4.6.142.8 (ETH)	4.6.209.4	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-E Converged Network Adapter	Windows Server 2012 R2	2.74.014.001 (FC) / 4.6.142.8 (ETH)	4.6.209.4	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.2.2.15 (FC) / 4.6.142.5 (ETH)	4.6.209.4	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.10 64bit	8.2.0.128.3P (FC) / 4.2.116r (ETH)	4.6.209.4	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.4 64bit	8.3.7.18 (FC) / 4.6.142.5 (ETH)	4.6.209.4	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Red Hat Enterprise Linux 6.5 64bit	8.3.7.21.4p (FC) / 4.6.62.0r (ETH) inbox	4.6.209.4	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	vSphere 5.0 U2	8.2.4.151.65 (FC) / 4.6.142.10 (ETH)	4.6.209.4	8, 11, 19
B200, B250, B230, B440 M2	UCS M72KR-E Converged Network Adapter	vSphere 5.1 U1	8.2.4.151.65 (FC) / 4.6.142.10 (ETH)	4.6.209.4	8, 11, 19
B200, B250, B230, B440 M1 & M2	UCS M72KR-E Converged Network Adapter	Windows Server 2008 R2 SP1 x64	2.74.014.001 (FC) / 4.6.142.8 (ETH), 8.01.002.051 (NIC Teaming Driver)	4.6.209.4	8
B200, B250, B230, B440 M2	UCS M72KR-E Converged Network Adapter	Windows Server 2012	2.74.014.001 (FC) / 4.6.142.8 (ETH)	4.6.209.4	8

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	Red Hat Enterprise Linux 5.9 64bit	8.2.0.128.3p (FC)	2.80A4	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Red Hat Enterprise Linux 5.10 64bit	8.2.0.128.3p (FC)	2.80A4	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-E Converged Network Adapter	Windows Server 2008 R2 SP1 x64	7.2.41.002 (FC)	2.80A4	8, 13
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.06.00.11.5.6 (FC) / 5.2.46.1 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.10 64bit	8.06.00.11.5.6 (FC) / 5.2.46.1 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.4 64bit	8.06.00.10.06.0 (FC) / 5.2.46.1 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.5 64bit	8.05.00.03.06.5-k2 (FC) / 5.2.43 (ETH)	2.50.07	8

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	vSphere 5.0 U2	934.5.29.0-1vmw (FC) / 5.1.178 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	vSphere 5.1 U1	934.5.29.0-1vmw (FC) / 5.1.178 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	vSphere 5.5	1.1.14.0-1 (FC) / 5.5.177 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Windows Server 2008 R2 SP1 x64	9.1.11.12 (FC) / 5.3.12.0925 (ETH), 5.3.12.0925 (NIC Teaming Driver)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Windows Server 2012	9.1.11.12 (FC) / 5.3.12.0925 (ETH)	2.50.07	8
B230, B440 M2 and B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS M73KR-Q Converged Network Adapter	Windows Server 2012 R2	9.1.11.12 (FC) / 5.3.12.0925 (ETH)	2.50.07	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 (FC) / 1.0.00.30 (ETH)	2.00.77	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	Red Hat Enterprise Linux 5.10 64bit	8.03.07.15.05.09-k (FC) / 1.0.00.30 (ETH)	2.00.77	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.4 64bit	8.04.00.08.06.4-k (FC) / 1.00.00.31 (ETH)	2.00.77	8
B200, B250 M2 and B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Red Hat Enterprise Linux 6.5 64bit	8.05.00.03.06.5-k2 (FC) / 1.00.00.32 (ETH)	2.00.77	8
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.0 U2	934.5.4.0-1vmw (FC) / 2.0.0.54 (ETH)	2.00.77	8, 11, 19
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	vSphere 5.1 U1	934.5.4.0-1vmw (FC) / 2.0.0.54 (ETH)	2.00.77	8, 11, 19
B200, B250, B230, B440 M1 & M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2008 R2 SP1 x64	9.1.8.27 (FC) / 1.0.1.12 (ETH)	2.00.77	8
B200, B250, B230, B440 M2	UCS M72KR-Q Converged Network Adapter	Windows Server 2012	9.1.10.15 (FC) / 1.0.1.15 (ETH)	2.00.77	8
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.9 64bit	8.03.07.15.05.09-k (FC)	2.1(3)	8, 13
B200, B250 M1 & M2 and B440 M1	UCS M71KR-Q Converged Network Adapter	Red Hat Enterprise Linux 5.10 64bit	8.03.07.15.05.09-k (FC)	2.1(3)	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 R2 SP1 x64	9.1.8.27 (FC)	2.1(3)	8, 13

Network Interface Card Interoperability Matrix

Table 5 lists the network interface cards that the Unified Computing System B Series Servers support.

Table 5: 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 5.9 64bit	1.72.51-0 (ETH)	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.10 64bit	1.72.51-0 (ETH)	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 6.4 64bit	1.72.51-0 (ETH)	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 6.5 64bit	1.72.51-0 (ETH)	6.2.15.23.7.1	
B200, B250, B230, B440 M1 & M2	UCS M51KR-B 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 SP1 x64	6.2.9.0 (ETH) / 6.2.7.0 (iSCSI) / 1.4.10.0 (NIC Teaming Driver)	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 5.9 64bit	3.4.8-k (ETH)	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 5.10 64bit	3.4.8-k (ETH)	2.1.60.1.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.4 64bit	3.9.15-k (ETH)	2.1.60.1.1	
B200, B250 M2 and B230, B440 M1 & M2	UCS M61KR-I 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 6.5 64bit	3.9.15-k (ETH)	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 (ETH)	2.1.60.1.1	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.9 64bit	3.4.8-k (ETH)	2.1.11 (pxe)	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Red Hat Enterprise Linux 5.10 64bit	3.4.8-k (ETH)	2.1.11 (pxe)	
B200, B250 M1 & M2	UCS 82598KR-CI 10-Gigabit Ethernet Adapter	Windows Server 2008 R2 SP1 x64	2.4.29.1 (ETH)	2.1.11 (pxe)	

RAID Controller on Motherboard Interoperability Matrix

Table 6 lists the RAID controllers on motherboard that the Unified Computing System B Series Servers support.

Table 6: RAID Controller on Motherboard

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.9 64bit	3.04.20rh1	1.32.09.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 5.10 64bit	3.04.20rh1	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.4 64bit	3.04.20rh1	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Red Hat Enterprise Linux 6.5 64bit	3.04.20rh1	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 11.2 64bit	4.28.00.00	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	SUSE Linux Enterprise Server 11.3 64bit	4.28.00.01	1.32.09.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0 U2	4.23.01.00-5	1.32.09.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.0 U3	4.23.01.00-5	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.1 U1	4.23.01.00-5	1.32.09.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	vSphere 5.5	5.34-9vmw	1.32.09.00	
B200, B250 M1 & M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2008 R2 SP1 x64	1.34.02.00	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2012	1.34.2.6	1.32.09.00	
B200 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	Windows Server 2012 R2	1.34.3.82	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.1	4.28.00.00	1.32.09.00	
B200, B250 M2	LSI Logic SAS1064E PCI-Express Fusion-MPT	XenServer 6.2	4.28.00.00	1.32.09.00	
B230 M2	LSI Logic MegaSAS 2008 (9240)	OL 6.4 64bit with UEK R2 U5	06.600.18.00	20.12.1-0160	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.12.1-0160	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 5.10 64bit	00.00.06.15-rh	20.12.1-0160	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.4 64bit	6.504.01.00-rh1	20.12.1-0160	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Red Hat Enterprise Linux 6.5 64bit	6.700.06.00-rh1	20.12.1-0160	
B230 M2	LSI Logic MegaSAS 2008 (9240)	SUSE Linux Enterprise Server 11.2 64bit	6.506.00.00	20.12.1-0160	
B230 M2	LSI Logic MegaSAS 2008 (9240)	SUSE Linux Enterprise Server 11.3 64bit	6.506.00.00-rc1	20.12.1-0160	
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.0 U2	6.506.51.00.1	20.12.1-0160	11, 19
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.0 U3	6.506.51.00.1	20.12.1-0160	11, 19
B230 M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.1 U1	6.506.51.00.1	20.12.1-0160	11, 19
B230 M2	LSI Logic MegaSAS 2008 (9240)	vSphere 5.5	6.600.61.00.1vmw	20.12.1-0160	11, 19
B230 M1 & M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2008 R2 SP1 x64	6.506.01.00	20.12.1-0160	
B230 M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2012	6.506.02.00	20.12.1-0160	
B230 M2	LSI Logic MegaSAS 2008 (9240)	Windows Server 2012 R2	6.600.21.8	20.12.1-0160	
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 6.1	6.15	20.12.1-0160	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B230 M2	LSI Logic MegaSAS 2008 (9240)	XenServer 6.2	6.5060000000000002	20.12.1-0160	
B440 M2	LSI Logic MegaSAS 2108 (9260)	OL 6.4 64bit with UEK R2 U5	06.600.18.00	12.14.0-0177	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	12.14.0-0177	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 5.10 64bit	00.00.06.15-rh	12.14.0-0177	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.4 64bit	6.504.01.00-rh1	12.14.0-0177	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Red Hat Enterprise Linux 6.5 64bit	6.700.06.00-rh1	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	SUSE Linux Enterprise Server 11.2 64bit	6.506.00.00	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	SUSE Linux Enterprise Server 11.3 64bit	6.506.00.00-rc1	12.14.0-0177	
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.0 U2	6.506.51.00.1	12.14.0-0177	11, 19
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.0 U3	6.506.51.00.1	12.14.0-0177	11, 19
B440 M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.1 U1	6.506.51.00.1	12.14.0-0177	11, 19

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B440 M2	LSI Logic MegaSAS 2108 (9260)	vSphere 5.5	6.600.61.00.1vmw	12.14.0-0177	11, 19
B440 M1 & M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2008 R2 SP1 x64	6.506.01.00	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2012	6.506.02.00	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	Windows Server 2012 R2	6.600.21.8	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 6.1	6.15	12.14.0-0177	
B440 M2	LSI Logic MegaSAS 2108 (9260)	XenServer 6.2	6.5060000000000002	12.14.0-0177	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	OL 6.4 64bit with UEK R2 U5	06.600.18.00	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 5.10 64bit	00.00.06.15-rh	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 6.4 64bit	06.504.01.00-rh1	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Red Hat Enterprise Linux 6.5 64bit	6.700.06.00-rh1	20.12.1-0160	
B200 M3 w/E5-2600	LSI Logic MegaRAID SAS 2004	Solaris 11 10/12 (U1)	03.03.00	20.12.1-0160	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3 w/E5-2600	LSI Logic MegaRAID SAS 2004	SUSE Linux Enterprise Server 11.2 64bit	6.506.00.00	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	SUSE Linux Enterprise Server 11.3 64bit	6.506.00.00-rc1	20.12.1-0160	
B200 M3 w/E5-2600	LSI Logic MegaRAID SAS 2004	Ubuntu 12.04.2	3.04.20	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	vSphere 5.0 U2	6.506.51.00.1	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	vSphere 5.0 U3	6.506.51.00.1	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	vSphere 5.1 U1	6.506.51.00.1	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	vSphere 5.5	6.600.61.00.1vmw	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Windows Server 2008 R2 SP1 x64	6.506.01.00	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Windows Server 2012	6.506.02.00	20.12.1-0160	
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	Windows Server 2012 R2	6.600.21.8	20.12.1-0160	
B200 M3 w/E5-2600	LSI Logic MegaRAID SAS 2004	XenServer 6.1	6.15	20.12.1-0160	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI Logic MegaRAID SAS 2004	XenServer 6.2	6.5060000000000002	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	OL 6.4 64bit with UEK R2 U5	06.600.18.00	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 5.10 64bit	00.00.06.15-rh	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 6.4 64bit	6.504.01.00-rh1	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Red Hat Enterprise Linux 6.5 64bit	6.700.06.00-rh1	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	SUSE Linux Enterprise Server 11.2 64bit	6.506.00.00	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	SUSE Linux Enterprise Server 11.3 64bit	6.506.00.00-rc1	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Solaris 11 10/12 (U1)	03.03.00	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.0 U2	6.506.51.00.1	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.0 U3	6.506.51.00.1	20.12.1-0160	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.1 U1	6.506.51.00.1	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	vSphere 5.5	6.600.61.00.1vmw	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2008 R2 SP1 x64	6.506.01.00	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2012	6.506.02.00	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	Windows Server 2012 R2	6.600.21.8	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	XenServer 6.1	6.15	20.12.1-0160	
B22 M3	LSI Logic MegaRAID SAS 2002	XenServer 6.2	6.5060000000000002	20.12.1-0160	
B420 M3	LSI Logic MegaRAID SAS 2208	OL 6.4 64bit with UEK R2 U5	06.600.18.00	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 5.9 64bit	00.00.06.15-rh	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 5.10 64bit	00.00.06.15-rh	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 6.4 64bit	6.504.01.00-rh1	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Red Hat Enterprise Linux 6.5 64bit	6.700.06.00-rh1	23.12.0-0022	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B420 M3	LSI Logic MegaRAID SAS 2208	SUSE Linux Enterprise Server 11.2 64bit	6.506.00.00	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	SUSE Linux Enterprise Server 11.3 64bit	6.506.00.00-rc1	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Solaris 11 10/12 (U1)	3.0	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.0 U2	6.506.51.00.1	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.0 U3	6.506.51.00.1	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.1 U1	6.506.51.00.1	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	vSphere 5.5	6.600.61.00.1vmw	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Windows Server 2008 R2 SP1 x64	6.506.01.00	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Windows Server 2012	6.506.02.00	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	Windows Server 2012 R2	6.600.21.8	23.12.0-0022	
B420 M3	LSI Logic MegaRAID SAS 2208	XenServer 6.1	6.15	23.12.0-0022	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B420 M3	LSI Logic MegaRAID SAS 2208	XenServer 6.2	6.5060000000000002	23.12.0-0022	

UCS Storage Accelerator Interoperability Matrix

Table 7 lists the UCS storage accelerators that are supported with this version of the Unified Computing System.

Table 7: UCS Storage Accelerators

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600	LSI 400GB SLC WarpDrive	SUSE Linux Enterprise Server 11.2 64bit	14.00.00.00	08.65.42.00	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI 400GB SLC WarpDrive	vSphere 5.0 U2	14.00.00.00.1	08.65.42.00	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI 400GB SLC WarpDrive	vSphere 5.0 U3	14.00.00.00.1	08.65.42.00	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI 400GB SLC WarpDrive	vSphere 5.1 U1	14.00.00.00.1	08.65.42.00	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI 400GB SLC WarpDrive	Windows Server 2008 R2 SP1 x64	2.10.58.00	08.65.42.00	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	LSI 400GB SLC WarpDrive	Windows Server 2012	2.10.58.00	08.65.42.00	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	Red Hat Enterprise Linux 5.9 64bit	3.2.6.1212 (Block)	7.1.13	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	Red Hat Enterprise Linux 6.4 64bit	3.2.6.1212 (Block)	7.1.13	
B22, B420 M3, B200 M3 w/E5-2600	UCS 365GB MLC Fusion-io ioDrive2	SUSE Linux Enterprise Server 11.2 64bit	3.2.6.1212 (Block)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	vSphere 5.0 U2	3.2.6.1219 (Block / SCSI)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	vSphere 5.0 U3	3.2.6.1219 (Block / SCSI)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	vSphere 5.1 U1	3.2.6.1219 (Block / SCSI)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	vSphere 5.5	3.2.6.1219 (Block / SCSI)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	Windows Server 2008 R2 SP1 x64	3.2.6.1212 (Block)	7.1.15	
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 365GB MLC Fusion-io ioDrive2	Windows Server 2012	3.2.6.1212 (Block)	7.1.15	

UCS Blade Server	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Notes
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	Red Hat Enterprise Linux 5.9 64bit	3.2.6.1212 (Block)	7.1.13	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	Red Hat Enterprise Linux 6.4 64bit	3.2.6.1212 (Block)	7.1.13	23
B22, B420 M3, B200 M3 w/E5-2600	UCS 785GB MLC Fusion-io ioDrive2	SUSE Linux Enterprise Server 11.2 64bit	3.2.6.1212 (Block)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	vSphere 5.0 U2	3.2.6.1219 (Block / SCSI)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	vSphere 5.0 U3	3.2.6.1219 (Block / SCSI)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	vSphere 5.1 U1	3.2.6.1219 (Block / SCSI)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	vSphere 5.5	3.2.6.1219 (Block / SCSI)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	Windows Server 2008 R2 SP1 x64	3.2.6.1212 (Block)	7.1.15	23
B22, B420 M3, B200 M3 w/E5-2600, B200 M3 w/E5-2600 v2	UCS 785GB MLC Fusion-io ioDrive2	Windows Server 2012	3.2.6.1212 (Block)	7.1.15	23

Storage Array Interoperability Matrix

Table 8 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); unless otherwise indicated FCoE NPV connections are supported to the devices listed in the FC switch table
- 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 8: Storage Array

Vendor	Storage Array Model	Array Firmware	Notes
EMC	EMC Symmetrix family (VMAX & DMX), EMC CLARiiON (AX & CX) EMC Unified Storage VNX/VNXe EMC Celerra (Native Block) EMC Isilon (NFS/CIFS) EMC VPLEX	Refer to storage vendor's support list, https://elabnavigator.emc.com	5, 6, 7, 12, 26
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, http://www.hds.com/products/interoperability/	5, 6, 7, 12
IBM	DS 3500, DS 4800, DS 5300, DS 8100, DS 8800, SVC, Storwize V7000, IBM N-Series, XIV(Gen 2), XIV(Gen3)	Refer to storage vendor's support list, http://www-03.ibm.com/systems/support/storage/ssic/interoperability.wss	5, 6, 7, 28
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/	5, 6, 7, 12
Netapp	E5400 series, E5500 series, EF540 series, EF550 series, and E2700 series	Refer to storage vendor's support list, http://support.netapp.com/	6, 7

Enterprise Backup Interoperability Matrix

Table 9 lists the tape library models that are supported with this version of the Unified Computing System.

**Note**

Direct connect of tape libraries is not supported.

Table 9: Tape Libraries

Vendor	Tape Library Model	Backup Application	Firmware	Notes
Oracle	SL500: HP LTO6	Symantec Netbackup 7.5	Refer to storage vendor's support list, http://www.quantum.com/swcompguide.aspx	24
Oracle	SL500: HP LTO3, HP LTO4, HP LTO5, IBM LTO3, IBM LTO4, IBM LTO5 SL3000: HP LTO3, HP LTO4, HP LTO5, IBM LTO3, IBM LTO4, IBM LTO5, T10000C	EMC Networker 7.6.3		24
Quantum	i500: HP LTO4, HP LTO5, IBM LTO4, IBM LTO5 DXi6702: All supported emulated tape drives	Symantec Netbackup 7.5	Refer to storage vendor's support list, http://www.quantum.com/swcompguide.aspx	24
Quantum	i500: HP LTO5, IBM LTO4, IBM LTO5	Symantec Backup Exec	Refer to storage vendor's support list, http://www.quantum.com/swcompguide.aspx	24
Spectra Logic	T50e, T120, T200, T380: IBM LTO5, IBM LTO6 (Half Height)	Symantec Netbackup 7.5, EMC Networker 7.6.3		

Switch Interoperability Matrix

Table 10 lists the switch models that are supported with this version of the Unified Computing System.

Table 10: Switch

Vendor	Switch Model	Notes
Brocade	6505, 6510: 7.1.1, 7.1.0a, 7.1.0c, 7.0.2, 7.0.1b, 7.0.1a	2, 16
Brocade	300, 5100, 5300: 7.1.1, 7.1.0a, 7.1.0c, 7.0.2, 7.0.1b, 7.0.1a, 6.4.3e, 6.4.3b, 6.4.2b, 6.4.1b	2, 16

Vendor	Switch Model	Notes
Brocade	4100, 48000, 4900, 5000: 5.2.1, 6.4.3e, 6.4.1b, 6.4.2a	2, 16
Brocade	DCX-4S: 7.1.1, 7.1.0a, 7.1.0c, 7.0.2, 7.0.1b, 7.0.1a, 6.4.3e, 6.4.3b, 6.4.1b	2, 16
Brocade	DCX: 7.1.1, 7.1.0a, 7.1.0c, 7.0.2, 7.0.1b, 7.0.1a, 6.4.3e, 6.4.3b, 6.4.1b	2, 16
Cisco	MDS: 6.2.1, 4.2.1b	1, 2, 9, 15
Cisco	Nexus 7000: 6.1(1)	1, 2, 9
Cisco	Nexus 5000: 5.1(3)N1(1)	1, 2, 9, 15
Cisco	Nexus 6000: 6.0(2)N2(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 ENIC driver only supported at this time
- 4 Ethernet or FC driver driver required for installation not included in OS image or not supported, download driver from cisco.com
- 5 Direct Connect FC/FCoE topologies are supported with this array
- 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, UCS M73KR-Q is equivalent to QLogic QLE8242, UCS M73KR-E is equivalent to Emulex Oce11102-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 If running in MS Cluster mode and Ethernet and FC traffic on VM's with NPIV enabled, please see CDETs CSCuj20256 or driver README notes
- 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. Applies to B22 M3 and B200 M3 as well as B420 with 1240 and adapter slot 2 populated
- 15 Certain Cisco Fabric Interconnects of the 6200 series have an OUI which will prevent FC port channels from connecting. This issue is outlined in CSCty04686 and can be mitigated by having your upstream Nexus 5000 code at a minimum version 6.0(2)N1(2), or MDS as minimum version 5.2(6)N1(4).
- 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 All variations of OS are supported for this version, including Windows Server Core, Full and Hyper-V Standalone
- 19 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)
- 20 For C-Series servers managed by UCSM, unless stated in this document, the supported firmware and drivers will be in the 1.5(4) C-Series Compatibility guide
- 21 For ENIC and FNIC, use the drivers found on the B-Series Driver ISO
- 22 Listed support is for the UEK Kernel only. For the Red Hat Enterprise Linux compatible kernel, please refer to the Red Hat Enterprise Linux versions
- 23 Only UCS 785GB MLC Fusion-io ioDrive2, serial numbers FIO1717xxxx and newer, are supported on the B420 M3
- 24 Enable FCP error recovery in the service profile adapter policy
- 25 NIC Teaming driver is not currently supported with Hyper-V
- 26 Supported for NFS/CIFS access via appliance ports on the Fabric Interconnect
- 27 Requires Errata RHSA-2013:0168, reference bugzilla 884740
- 28 Virtual Storage appliances are NPV Mode only. These require target to target zoning in direct connect topologies which is not supported with UCSM zoning.
- 29 For SAN installations, requires Citrix Hotfix CTX137403 during the installation, after installation is complete, apply CTX138731
- 30 Supported only with library management software version ACSLS8.2.
- 31 ESX NPIV Host Feature is not supported
- 32 Virtual Port-Mode supported with UCS Fabric Interconnect NPV mode only. Legacy mode is supported in NPV and Direct Connect topologies

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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