



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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Audience

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

The content of this document is updated on a regular basis. The current version of this document applies to the C260 Servers in Cisco Unified Computing System Release 1.3(3).

Operating System Interoperability Matrix

Table 1 lists the operating systems that the Unified Computing System C260 Servers support.

Table 1: Operating System

UCS Server	Vendor	Operating System Version	Notes
C260 M2	Microsoft	Windows Server 2008 R2 x64 w/Hyper-V SP1	1
C260 M2	Microsoft	Windows Server 2008 x64 w/Hyper-V SP2	1
C260 M2	Novell	SUSE Linux Enterprise Server 11.1 64bit	
C260 M2	Oracle	Solaris 10 Update 8	
C260 M2	Oracle	Solaris 10 Update 9	
C260 M2	Oracle	Oracle Linux 5.5 64bit (Redhat Compatible Kernel)	
C260 M2	Oracle	Oracle Linux 5.6 64bit (Redhat Compatible Kernel)	
C260 M2	Oracle	Oracle Linux 5.6 64bit (Unbreakable Enterprise Kernel)	17
C260 M2	Oracle	Oracle Linux 5.7 64bit (Redhat Compatible Kernel)	
C260 M2	Oracle	Oracle Linux 6.0 64bit (Redhat Compatible Kernel)	
C260 M2	Oracle	Oracle Linux 6.0 64bit (Unbreakable Enterprise Kernel)	17
C260 M2	Oracle	Oracle Linux 6.1 64bit (Redhat Compatible Kernel)	
C260 M2	Oracle	Oracle VM 3.0 64bit	
C260 M2	Redhat	Enterprise Linux 5.5 64bit	
C260 M2	Redhat	Enterprise Linux 5.6 64bit	

UCS Server	Vendor	Operating System Version	Notes
C260 M2	Redhat	Enterprise Linux 5.7 64bit	
C260 M2	Redhat	Enterprise Linux 6.0 64bit	
C260 M2	Redhat	Enterprise Linux 6.1 64bit	
C260 M2	VMware	vSphere 4.1 U1	
C260 M2	VMware	vSphere 4.1i U1	

Converged Network Adapter Interoperability Matrix

Table 2 lists the converged network adapters that the Unified Computing System C260 Servers support.

Table 2: Converged Network Adapters

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	SUSE Linux Enterprise Server 11.1 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Enterprise Linux 5.5 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Enterprise Linux 5.6 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Enterprise Linux 5.7 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Enterprise Linux 6.0 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Enterprise Linux 6.1 64bit	1.5.0.1/2.1.1.24 (NIC)	1.6(1c)	00.10.10	
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 4.1 U1	1.4.0.201/2.1.2.20	1.6(1c)	00.10.10	10
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 4.1i U1	1.4.0.201/2.1.2.20	1.6(1c)	00.10.10	10
C260 M2	Cisco	P81E Dual Port 10-Gbps	Windows Server 2008 x64	2.1.0.11/2.1.0.9	1.6(1c)	00.10.10	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Ethernet to PCIe Virtual Interface Card	w/Hyper-V SP2				
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Windows Server 2008 R2 x64 w/Hyper-V SP1	2.1.0.11/2.1.0.9	1.6(1c)	00.10.10	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 5.5 64bit	0:8.2.0.96/ 2.103.397.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 5.6 64bit	0:8.2.0.96/ 2.103.397.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 5.7 64bit	0:8.2.0.96.2p/ 4.0.100r (NIC)	2.103.397.3401	4.02a9	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 6.0 64bit	0:8.3.5.35/ 2.103.397.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 6.1 64bit	0:8.3.5.30.1p/ 2.103.298r (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	0:8.3.5.35/ 2.103.397.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Solaris 10 Update 9	2.50o/1.10f2 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged	vSphere 4.1 U1	0:8.2.1.90.28/ 2.103.377.0 (NIC)	2.103.397.3401	4.02a9	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Network Adapter					
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	vSphere 4.1i U1	0:8.2.1.90.28/ 2.103.377.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	7.2.41.2/2.103.389.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	Emulex	OneConnect OCel0102FX Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Windows Server 2008 x64 w/Hyper-V SP2	7.2.41.2/2.103.389.0 (NIC)	2.103.397.3401	4.02a9	
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 5.5 64bit	8.03.03.15.05.06-k/ 1.00.00.23 (NIC)	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged	Enterprise Linux 5.6 64bit	8.03.01.05.05.06-k/ 1.00.00.25 (NIC)	5.04.01	3.00	16

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Network Adapter					
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 5.7 64bit	8.03.07.03.05.07-k/ 1.00.00.25 (NIC)	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 6.0 64bit	8.03.04.12.06.0-k/ v1.00.00.23.00.00-01 (NIC)	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Enterprise Linux 6.1 64bit	8.03.07.03.06.1-k/ v1.00.00.27.00.00-01 (NIC)	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.03.04.14.11.1-k/ v1.00.00.23.00.00-01 (NIC)	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Solaris 10 Update 9	3.00/1.05	5.04.01	3.00	16

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	vSphere 4.1 U1	832.k1.27.1-1vmw/v1.0.0.43	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	vSphere 4.1i U1	832.k1.27.1-1vmw/v1.0.0.43	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	9.1.8.27/1.0.1.12	5.04.01	3.00	16
C260 M2	QLogic	QLE8152 Dual Port 10-Gbps Ethernet to PCIe Converged Network Adapter	Windows Server 2008 x64 w/Hyper-V SP2	9.1.8.27/1.0.1.7	5.04.01	3.00	16

Host Bus Adapter Interoperability Matrix

Table 3 lists the host bus adapters that the Unified Computing System C260 Servers support.

Table 3: Host Bus Adapters

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.5 64bit	0:8.2.0.96	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.6 64bit	0:8.2.0.96	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.7 64bit	0:8.2.0.96.2p	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 6.0 64bit	0:8.3.5.35	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 6.1 64bit	0:8.3.5.30.1p	ZS2.82A4	ZB2.12a6

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		Express Host Bus Adapter				
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	SUSE Linux Enterprise Server 11.1 64bit	0:8.3.5.35	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Solaris 10 Update 8	2.40s	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Solaris 10 Update 9	2.50o	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	vSphere 4.1 U1	0:8.2.1.90.28	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre	vSphere 4.1i U1	0:8.2.1.90.28	ZS2.82A4	ZB2.12a6

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		Channel PCI Express Host Bus Adapter				
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	7.2.41.2	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe11002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Windows Server 2008 x64 w/Hyper-V SP2	7.2.41.2	ZS2.82A4	ZB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.5 64bit	0:8.2.0.96	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.6 64bit	0:8.2.0.96	US2.00a4	UB2.12a6

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	Emulex	LightPulse LPe12002 4-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 5.7 64bit	0:8.2.0.96.2p	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 6.0 64bit	0:8.3.5.35	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Enterprise Linux 6.1 64bit	0:8.3.5.30.1p	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	SUSE Linux Enterprise Server 11.1 64bit	0:8.3.5.35	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express	Solaris 10 Update 8	2.40s	US2.00a4	UB2.12a6

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		Host Bus Adapter				
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Solaris 10 Update 9	2.50o	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	vSphere 4.1U1	0:8.2.1.90.28	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	vSphere 4.1iU1	0:8.2.1.90.28	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel PCI Express Host Bus Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	7.2.41.2	US2.00a4	UB2.12a6
C260 M2	Emulex	LightPulse LPe12002 8-Gbps Fibre Channel	Windows Server 2008 x64 w/Hyper-V SP2	7.2.41.2	US2.00a4	UB2.12a6

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		PCI Express Host Bus Adapter				
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 5.5 64bit	8.03.03.15.05.06-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 5.6 64bit	8.03.01.05.05.06-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 5.7 64bit	8.03.07.03.05.07-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 6.0 64bit	8.03.04.12.06.0-k0	5.04.01	3.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 6.1 64bit	8.03.07.03.06.1-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.03.04.14.11.1-k0	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Solaris 10 Update 8	2.31	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Solaris 10 Update 9	3.00	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express	vSphere 4.1 U1	832.k1.27.1-1vmw	5.04.01	3.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		Host Bus Adapter				
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	vSphere 4.1i U1	832.k1.27.1-1vmw	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	9.1.9.25	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2462 4-Gbps Fibre Channel to PCI Express Host Bus Adapter	Windows Server 2008 x64 w/Hyper-V SP2	9.1.9.25	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 5.5 64bit	8.03.03.15.05.06-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to	Enterprise Linux 5.6 64bit	8.03.01.05.05.06-k	5.04.01	3.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		PCI Express Host Bus Adapter				
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 5.7 64bit	8.03.07.03.05.07-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 6.0 64bit	8.03.04.12.06.0-k0	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Enterprise Linux 6.1 64bit	8.03.07.03.06.1-k	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	SUSE Linux Enterprise Server 11.1 64bit	8.03.04.14.11.1-k0	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps	Solaris 10 Update 8	2.31	5.04.01	3.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		Fibre Channel to PCI Express Host Bus Adapter				
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Solaris 10 Update 9	3.00	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	vSphere 4.1 U1	832.k1.27.1-1vmw	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	vSphere 4.1i U1	832.k1.27.1-1vmw	5.04.01	3.00
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	9.1.9.25	5.04.01	3.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	QLogic	SANblade QLE2562 8-Gbps Fibre Channel to PCI Express Host Bus Adapter	Windows Server 2008 x64 w/Hyper-V SP2	9.1.9.25	5.04.01	3.00

LAN on Motherboard Interoperability Matrix

Table 4 lists the LAN on motherboard adapters that the Unified Computing System C260 Servers support.

Table 4: LAN on Motherboard

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Enterprise Linux 5.5 64bit	2.1.6b	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Enterprise Linux 5.6 64bit	2.1.6b	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Enterprise Linux 5.7 64bit	2.0.21	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet	Enterprise Linux 6.0 64bit	2.1.6b	6.0.0	6.0.12	11,13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Onboard Controller					
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Enterprise Linux 6.1 64bit	2.1.6	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	SUSE Linux Enterprise Server 11.1 64bit	2.1.6b	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Solaris 10 Update 8	6.0.3	6.0.0	6.0.12	11,13,18
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Solaris 10 Update 9	6.0.3	6.0.0	6.0.12	11,13,18
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	vSphere 4.1 U1	2.0.15g.8.v41.1	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet	vSphere 4.1i U1	2.0.15g.8.v41.1	6.0.0	6.0.12	11,13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Onboard Controller					
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Windows Server 2008 R2 x64 w/Hyper-V SP1	6.4.13.0/6.4.10.0	6.0.0	6.0.12	11,13
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Windows Server 2008 x64 w/Hyper-V SP2	6.4.13.0/6.4.10.0	6.0.0	6.0.12	11,13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Enterprise Linux 5.5 64bit	1.64.32 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Enterprise Linux 5.6 64bit	1.64.32 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Enterprise Linux 5.7 64bit	1.62.00-6 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Enterprise Linux 6.0 64bit	0.9.5/1.64.32	6.4.18	6.4.22	13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Enterprise Linux 6.1 64bit	1.62.00-6 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	SUSE Linux Enterprise Server 11.1 64bit	0.9.5/1.64.32 (NIC)	6.4.18	6.4.22	13,14
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Solaris 10 Update 9	6.2.4	6.4.18	6.4.22	13,18
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	vSphere 4.1 U1	1.64.32.v41.1 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	vSphere 4.1i U1	1.64.32.v41.1 (NIC)	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Windows Server 2008 R2 x64 w/Hyper-V SP1	6.4.20.0/6.4.13.0	6.4.18	6.4.22	13
C260 M2	Broadcom	CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+	Windows Server 2008 x64 w/Hyper-V SP2	6.4.20.0/6.4.13.0	6.4.18	6.4.22	13

Network Interface Card Interoperability Matrix

Table 5 lists the network interface cards that the Unified Computing System C260 Servers support.

Table 5: Network Interface Cards

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Mellanox	ConnectX-2 EN 10 Gigabit Ethernet	SUSE Linux Enterprise Server 11.1 64bit	1.5.6	2.7.8.100	1.5.5	
C260 M2	Mellanox	ConnectX-2 EN 10 Gigabit Ethernet	Enterprise Linux 5.6 64bit	1.5.6	2.7.8.100	1.5.5	
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.5 64bit	2.1.6b	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.6 64bit	2.1.6b	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.7 64bit	2.0.21	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.0 64bit	2.1.6b	5.2.3	5.2.7	13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Ethernet PCIe Adapter					
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.1 64bit	2.1.6	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	SUSE Linux Enterprise Server 11.1 64bit	2.1.6b	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Solaris 10 Update 8	6.0.3	5.2.3	5.2.7	13,18
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Solaris 10 Update 9	6.0.3	5.2.3	5.2.7	13,18
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	vSphere 4.1 U1	2.0.15g.8.v41.1	5.2.3	5.2.7	13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	vSphere 4.1i U1	2.0.15g.8.v41.1	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	6.4.13.0/6.4.10.0	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 5709 Dual and Quad Port Gigabit Ethernet PCIe Adapter	Windows Server 2008 x64 w/Hyper-V SP2	6.4.13.0/6.4.10.0	5.2.3	5.2.7	13
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.5 64bit	1.64.32	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.6 64bit	1.64.32	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet	Enterprise Linux 5.7 64bit	1.62.00-6	5.2.51	5.2.15	13,15

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		PCIe Adapter					
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.0 64bit	1.64.32	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.1 64bit	1.62.00-6	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	SUSE Linux Enterprise Server 11.1 64bit	1.64.32	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Solaris 10 Update 9	6.2.4	5.2.51	5.2.15	13,15,18
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	vSphere 4.1 U1	1.62.15.v41.2	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet	vSphere 4.1i U1	1.62.15.v41.2	5.2.51	5.2.15	13,15

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		PCIe Adapter					
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	6.4.13.0/ 6.4.10.0	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57711 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2008 x64 w/Hyper-V SP2	6.4.13.0/ 6.4.10.0	5.2.51	5.2.15	13,15
C260 M2	Broadcom	NetXtreme II 57712 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.0 64bit	0.9.5/1.64.32, FCOE is supported	6.4.17	6.4.23	13
C260 M2	Broadcom	NetXtreme II 57712 Dual Port 10 Gigabit Ethernet PCIe Adapter	SUSE Linux Enterprise Server 11.1 64bit	0.9.5/ 1.64.32 (NIC), FCOE is supported	6.4.17	6.4.23	13,14
C260 M2	Broadcom	NetXtreme II 57712 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	6.4.20.0/6.4.13.0, FCOE is supported	6.4.17	6.4.23	13
C260 M2	Broadcom	NetXtreme II 57712 Dual Port 10 Gigabit Ethernet	Windows Server 2008 x64 w/Hyper-V SP2	6.4.20.0/6.4.13.0, FCOE is supported	6.4.17	6.4.23	13

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		PCIe Adapter					
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.5 64bit	3.0.22	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.6 64bit	3.0.22	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.7 64bit	3.0.6-k2-1	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.0 64bit	3.0.22	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.1 64bit	3.0.22	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet	SUSE Linux Enterprise Server 11.1 64bit	3.0.22	1.7-3	1.3.50	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		PCIe Adapter					
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Solaris 10 Update 8	1.1.7	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Solaris 10 Update 9	1.1.14	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	vSphere 4.1 U1	2.4.10	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	vSphere 4.1i U1	2.4.10	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet PCIe Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	11.7.32.0	1.7-3	1.3.50	
C260 M2	Intel	82576 based Quad Port Gigabit Ethernet	Windows Server 2008 x64 w/Hyper-V SP2	11.7.32.0	1.7-3	1.3.50	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		PCIe Adapter					
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.5 64bit	3.2.9-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.6 64bit	3.2.9-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 5.7 64bit	3.2.9-K2	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.0 64bit	3.2.9-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Enterprise Linux 6.1 64bit	3.2.9-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	SUSE Linux Enterprise Server 11.1 64bit	3.2.9-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Solaris 10 Update 9	1.0.12	0.9-3	2.1.50	

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS	Notes
		Ethernet PCIe Adapter					
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	vSphere 4.1 U1	3.1.17.1-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	vSphere 4.1i U1	3.1.17.1-NAPI	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2008 R2 x64 w/Hyper-V SP1	2.7.28.0	0.9-3	2.1.50	
C260 M2	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2008 x64 w/Hyper-V SP2	2.7.28.0	0.9-3	2.1.50	

RAID Controller on Motherboard or PCIe Adapter Interoperability Matrix

Table 6 lists the RAID controller on motherboard or PCIe adapters that the Unified Computing System C260 Servers support.

Table 6: RAID Controller on Motherboard or PCIe Adapters

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Enterprise Linux 5.5 64bit	00.00.04.37	2.120.133.1322	3.22.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Enterprise Linux 5.6 64bit	00.00.04.31-RH1	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Enterprise Linux 5.7 64bit	00.00.05.38-rh1	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Enterprise Linux 6.0 64bit	00.00.04.28-RH1	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Enterprise Linux 6.1 64bit	00.00.05.34-rc1	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	SUSE Linux Enterprise Server 11.1 64bit	00.00.04.37	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Solaris 10 Update 8	2.0	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Solaris 10 Update 9	2.4	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	vSphere 4.1 U1	00.00.04.32	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	vSphere 4.1i U1	00.00.04.32	2.120.133.1322	3.22.00
C260 M2	LSI	MegaRAID 9261-8i	Windows Server 2008	4.32.0.64	2.120.133.1322	3.22.00

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware	Adapter Boot Code / BIOS
		PCIe RAID Controller	R2 x64 w/Hyper-V SP1			
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Windows Server 2008 x64 w/Hyper-V SP2	4.32.0.64	2.120.133.1322	3.22.00

Notes

- 1 Requires Intel 55xx chipset drivers from download.intel.com
- 2 Requires reboot after driver installation
- 3 In an iSCSI Boot environment, Microsoft KB943295 must be installed
- 4 Requires firmware: 1.10.02-0197. This requires a driver CD whose ISO is available at: <http://www.vmware.com/support/vi3/doc/drivercd/esx301-cciss-2.4.66.html>
- 5 Netqueue not supported
- 6 Driver version is for Software RAID
- 7 Only supported with device ID 10C9, update available
- 8 55xx processor family supported, this OS version does not support the 56xx processor family
- 9 The 2.6.18-164.9.1 errata kernel (or newer) is required to run Red Hat Enterprise Linux 5.4 on a Cisco UCS C460 M1
- 10 Certification is pending for supported driver
- 11 The NVRAM version of BCM5709 obtained from hostupdate utility is C250T6045-2.0
- 12 The NVRAM version of BCM57711 obtained from hostupdate utility is C460T6045-2.0/3.3-aa0.5ad
- 13 Reconfigure the iSCSI settings manually for Broadcomm adapter after the FW upgrade using hostupdate utility
- 14 SAN boot is not supported
- 15 iSCSI boot is not supported
- 16 FCOE is not supported
- 17 CISCO LOM BCM57712 Dual Port 10GbE NIC SFP+ is certified with outbox driver bnx2 v2.1.6b ,bnx2x v1.64.32
- 18 Inbox Driver versions may not be supported, download from device vendor site and install driver to enable device access

Related Documentation

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

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

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