



# 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.

This document applies to the B Series servers in Cisco Unified Computing System Release 1.3(1).

Latest edition: 2012-10-10.

## Fibre Connectivity Switch Interoperability Matrix

Table 1 lists fibre connectivity switches that support the Unified Computing System Fabric Interconnect module.

**Table 1: Fibre Connectivity Switch**

| UCS Fabric Interconnect                               | Vendor  | Fibre Connectivity Switch Model       | Switch Firmware                                                                                          |         |
|-------------------------------------------------------|---------|---------------------------------------|----------------------------------------------------------------------------------------------------------|---------|
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Cisco   | Nexus 5xxx                            | 4.1(3)N2(1), 4.1(3)N2(1a)                                                                                | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Cisco   | MDS 95xx                              | 3.3(1c), 3.3(2), 3.3(4), 4.1(1b), 4.1(3a), 4.2(1a), 4.2(1b) , 4.2(3a)                                    | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Cisco   | MDS 91xx, 92xx                        | 3.3(1c), 3.3(2), 3.3(4), 4.1(1b), 4.1(3a), 4.2(1a), 4.2(1b) , 4.2(3a)                                    | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Brocade | 300, 5100, 5300, DCX                  | v6.1.0c, v6.1.0f, v6.1.0h, v6.1.0j, v6.1.2b, v6.2.0c, v6.2.1, v6.3.1a                                    | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Brocade | 4100, 4900, 48000, 5000, 7500         | v5.3.1b, v5.3.2, v6.0.0c, v6.0.1a, v6.1.0c, v6.1.0f, v6.1.0h, v6.1.0j, v6.1.2b, v6.2.0c, v6.2.1, v6.3.1a | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | Brocade | DCX-4S                                | v6.2.0c, v6.2.0g, v6.2.1, v6.3.1a                                                                        | Note 7  |
| 6120XP 20-port and 6140XP 40-Port Fabric Interconnect | McData  | Support removed for all switch models |                                                                                                          | Note 25 |

**Operating System Interoperability Matrix**

Table 2 lists the operating systems that the Unified Computing System Blade Servers support.

**Table 2: Operating System**

| UCS Blade Server    | Vendor    | Operating System Version    | Notes      |
|---------------------|-----------|-----------------------------|------------|
| B200 M1 and B250 M1 | Microsoft | Windows Server 2003 x86 SP2 | Note 1, 12 |

| <b>UCS Blade Server</b>             | <b>Vendor</b> | <b>Operating System Version</b>         | <b>Notes</b>            |
|-------------------------------------|---------------|-----------------------------------------|-------------------------|
| B200 M1 and B250 M1                 | Microsoft     | Windows Server 2003 R2 x86 SP2          | Note 1, 12              |
| B200 M1 and B250 M1                 | Microsoft     | Windows Server 2003 x64 SP2             | Note 1, 12              |
| B200 M1 and B250 M1                 | Microsoft     | Windows Server 2003 R2 x64 SP2          | Note 1, 12              |
| B200 M1 & M2, B250 M1 & M2 and B440 | Microsoft     | Windows Server 2008 x64 w/Hyper-V SP1   | Note 1, 12              |
| B200 M1 & M2, B250 M1 & M2 and B440 | Microsoft     | Windows Server 2008 x64 w/Hyper-V SP2   | Note 1, 12              |
| B200 M1 & M2, B250 M1 & M2 and B440 | Microsoft     | Windows Server 2008 R2 x64 w/Hyper-V    | Note 1, 12              |
| B200 M1 & M2 and B250 M1 & M2       | Novell        | SUSE Linux Enterprise Server 10.3 64bit | Note 12                 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Novell        | SUSE Linux Enterprise Server 11 64bit   | Note 12, 23             |
| B200 M1 & M2, B250 M1 & M2          | Novell        | SUSE Linux Enterprise Server 11.1 64bit | Note 12                 |
| B200 M2, B250 M2 and B440           | Oracle        | Solaris 10 10/09 64bit                  | Note 12                 |
| B200 M1 & M2 and B250 M1 & M2       | Oracle        | Enterprise Linux 4.8 64bit              | Note 12                 |
| B200 M1 & M2 and B250 M1 & M2       | Oracle        | Enterprise Linux 5.3 64bit              | Note 2, 12, 18          |
| B200 M1 & M2, B250 M1 & M2 and B440 | Oracle        | Enterprise Linux 5.4 64bit              | Note 12, 16, 17, 18, 22 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Oracle        | Enterprise Linux 5.5 64bit              | Note 12                 |
| B200 M1 & M2 and B250 M1 & M2       | Red Hat       | Enterprise Linux 4.8 64bit              | Note 12                 |
| B200 M1 & M2 and B250 M1 & M2       | Red Hat       | Enterprise Linux 5.3 64bit              | Note 2, 12, 18          |

| UCS Blade Server                    | Vendor  | Operating System Version   | Notes                   |
|-------------------------------------|---------|----------------------------|-------------------------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Red Hat | Enterprise Linux 5.4 64bit | Note 12, 16, 17, 18, 22 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Red Hat | Enterprise Linux 5.5 64bit | Note 12                 |
| B200 M1 and B250 M1                 | VMware  | ESX 3.5 Update 4           | Note 12, 21             |
| B200 M1 and B250 M1                 | VMware  | ESX 3.5 Update 5           | Note 12                 |
| B200 M1 and B250 M1                 | VMware  | vSphere 4.0                | Note 12, 21             |
| B200 M1 and B250 M1                 | VMware  | vSphere 4.0i               | Note 12, 21             |
| B200 M1 & M2, B250 M1 & M2 and B440 | VMware  | vSphere 4.0 U1             | Note 5, 12, 19, 20, 24  |
| B200 M1 & M2, B250 M1 & M2 and B440 | VMware  | vSphere 4.0i U1            | Note 5, 12, 19, 20, 24  |
| B200 M1 & M2, B250 M1 & M2          | VMware  | vSphere 4.0 U2             | Note 12, 24             |
| B200 M1 & M2, B250 M1 & M2          | VMware  | vSphere 4.0i U2            | Note 12, 24             |
| B200 M1 & M2, B250 M1 & M2          | VMware  | vSphere 4.1                | Note 12, 24             |
| B200 M1 & M2, B250 M1 & M2          | VMware  | vSphere 4.1i               | Note 12, 24             |

### Adapters Interoperability Matrix

Table 3 lists the network adapters that the Unified Computing System Blade Servers support.

**Table 3: Adapters**

| UCS Blade Server                    | Vendor | Adapter Model                    | Operating System           | Adapter Driver        | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|-------------------------------------|--------|----------------------------------|----------------------------|-----------------------|------------------|--------------------------|---------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | Enterprise Linux 5.4 64bit | 1.1.1c / 1.3.1c (NIC) | 1.3(1)           | 1.3(1)                   | Note 17 |

| UCS Blade Server                    | Vendor | Adapter Model                    | Operating System           | Adapter Driver              | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|-------------------------------------|--------|----------------------------------|----------------------------|-----------------------------|------------------|--------------------------|---------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | Enterprise Linux 5.5 64bit | 1.4.0.145 / 1.3.1c (NIC)    | 1.3(1)           | 1.3(1)                   |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.0 U1             | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.0i U1            | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.0 U2             | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.0i U2            | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.1                | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   | Note 14 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card | vSphere 4.1i               | 1.3.0.182 / 1.1.0.68b (NIC) | 1.3(1)           | 1.3(1)                   | Note 14 |
| B200 M1 & B250 M1                   | Cisco  | UCS M81KR Virtual Interface Card | Windows Server 2003 x86    | 2.0.1.3 (Both)              | 1.3(1)           | 1.3(1)                   |         |

| UCS Blade Server                    | Vendor | Adapter Model                             | Operating System                        | Adapter Driver          | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-------------------------------------------|-----------------------------------------|-------------------------|------------------|--------------------------|-------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card          | Windows Server 2008 x64 w/Hyper-V       | 1.1.1.5 / 2.0.0.7 (NIC) | 1.3(1)           | 1.3(1)                   |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M81KR Virtual Interface Card          | Windows Server 2008 R2 x64 w/Hyper-V    | 1.1.1.5 / 2.0.0.7 (NIC) | 1.3(1)           | 1.3(1)                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Enterprise Linux 4.8 64bit              | 3.12.29.00rh            | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Enterprise Linux 5.3 64bit              | 3.04.07                 | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Enterprise Linux 5.4 64bit              | 3.04.07rh               | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Enterprise Linux 5.5 64bit              | 3.0.4.13rh              | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | SUSE Linux Enterprise Server 10.3 64bit | 3.04.07_suse            | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | SUSE Linux Enterprise Server 11 64bit   | 4.00.43.00suse          | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | SUSE Linux Enterprise                   | 4.22.00.00              | 01.28.03.00      | 06.28.00.00              |       |

| UCS Blade Server              | Vendor | Adapter Model                                      | Operating System       | Adapter Driver  | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------|--------|----------------------------------------------------|------------------------|-----------------|------------------|--------------------------|-------|
|                               |        |                                                    | Server 11<br>SP1 64bit |                 |                  |                          |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | ESX 3.5<br>U4          | 2.6.48.18 vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | ESX 3.5<br>U5          | 2.6.48.18 vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0         | 40037.0027vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0i        | 40037.0027vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0 U1      | 40037.0027vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0i U1     | 40037.0027vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0 U2      | 40037.0029vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.0i U2     | 40037.0029vmw   | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic<br>SAS1064E<br>PCI-Express<br>Fusion-MPT | vSphere<br>4.1         | 421.0001.1-5vmw | 01.28.03.00      | 06.28.00.00              |       |

| UCS Blade Server              | Vendor | Adapter Model                             | Operating System                      | Adapter Driver  | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------|--------|-------------------------------------------|---------------------------------------|-----------------|------------------|--------------------------|-------|
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | vSphere 4.1i                          | 421.0001.1.5vmw | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Windows Server 2003 x64               | 1.29.3.0        | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Windows Server 2003 x86               | 1.29.3.0        | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Windows Server 2008 x64 w/Hyper-V     | 1.29.3.0        | 01.28.03.00      | 06.28.00.00              |       |
| B200 M1 & M2,<br>B250 M1 & M2 | Cisco  | LSI Logic SAS1064E PCI-Express Fusion-MPT | Windows Server 2008 R2 x64 w/Hyper-V  | 1.30.4.0        | 01.28.03.00      | 06.28.00.00              |       |
| B440                          | Cisco  | LSI Logic MegaSAS 9260                    | Enterprise Linux 5.4 64bit            | 3.04.07rh       | 3.13.00          | 12.4.0-0028              |       |
| B440                          | Cisco  | LSI Logic MegaSAS 9260                    | Enterprise Linux 5.5 64bit            | 3.0.4.13rh      | 3.13.00          | 12.4.0-0028              |       |
| B440                          | Cisco  | LSI Logic MegaSAS 9260                    | SUSE Linux Enterprise Server 11 64bit | 4.00.43.00suse  | 3.13.00          | 12.4.0-0028              |       |
| B440                          | Cisco  | LSI Logic MegaSAS 9260                    | vSphere 4.0 U1                        | 2.20.5.1.3vmw   | 3.13.00          | 12.4.0-0028              |       |
| B440                          | Cisco  | LSI Logic MegaSAS 9260                    | vSphere 4.0i U1                       | 2.20.5.1.3vmw   | 3.13.00          | 12.4.0-0028              |       |



| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                        | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-----------------------------------------|-----------------------------------------|----------------|------------------|--------------------------|-------|
| B440                                | Cisco  | LSI Logic MegaSAS 9260                  | Windows Server 2008 x64 w/Hyper-V       | 4.16.0.64      | 3.13.00          | 12.4.0-0028              |       |
| B440                                | Cisco  | LSI Logic MegaSAS 9260                  | Windows Server 2008 R2 x64 w/Hyper-V    | 4.5.1.64       | 3.13.00          | 12.4.0-0028              |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | Enterprise Linux 4.8 64bit              | 2.0.62.4       |                  | 2.1.60.1.1               |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | Enterprise Linux 5.3 64bit              | 2.0.62.4       |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | Enterprise Linux 5.4 64bit              | 2.0.62.4       |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | Enterprise Linux 5.5 64bit              | 2.0.62.4       |                  | 2.1.60.1.1               |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 10.3 64bit | 2.0.62.4       |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 64bit   | 2.0.62.4       |                  | 2.1.60.1.1               |       |

| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                          | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-----------------------------------------|-------------------------------------------|----------------|------------------|--------------------------|-------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 SP1 64bit | 2.0.44-k2      |                  | 2.1.60.1.1               |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0                               | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0i                              | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0 U1                            | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0i U1                           | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0 U2                            | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.0i U2                           | 2.0.62.4.8     |                  | 2.1.60.1.1               |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter | vSphere 4.1                               | 2.0.84.9-1vmw  |                  | 2.1.60.1.1               |       |

| UCS Blade Server                    | Vendor | Adapter Model                              | Operating System                     | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|-------------------------------------|--------|--------------------------------------------|--------------------------------------|----------------|------------------|--------------------------|---------|
| B200 M1 and B250 M1                 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter    | Windows Server 2003 x64              | 2.4.55.0       |                  | 2.1.60.1.1               |         |
| B200 M1 and B250 M1                 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter    | Windows Server 2003 x86              | 2.4.55.0       |                  | 2.1.60.1.1               |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter    | Windows Server 2008 x64 w/Hyper-V    | 2.4.56.0       |                  | 2.1.60.1.1               |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M61KR-I 10-Gigabit Ethernet Adapter    | Windows Server 2008 R2 x64 w/Hyper-V | 2.4.56.0       |                  | 2.1.60.1.1               |         |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Enterprise Linux 4.8 64bit           | 2.0.62.4       |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Enterprise Linux 5.3 64bit           | 2.0.62.4       |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Enterprise Linux 5.4 64bit           | 2.0.62.4       |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Enterprise Linux 5.5 64bit           | 2.0.62.4       |                  | 2.1.11                   | Note 11 |

| UCS Blade Server              | Vendor | Adapter Model                              | Operating System                          | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|-------------------------------|--------|--------------------------------------------|-------------------------------------------|----------------|------------------|--------------------------|---------|
| B200 M1 & M2 and B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 10.3 64bit   | 2.0.62.4       |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2    | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 64bit     | 2.0.62.4       |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2    | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 SP1 64bit | 2.0.44-k2      |                  | 2.1.11                   | Note 11 |
| B200 M1 and B250 M1           | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | ESX 3.5 U4                                | 1.3.31.6       |                  | 2.1.11                   | Note 11 |
| B200 M1 and B250 M1           | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | ESX 3.5 U5                                | 1.3.31.6       |                  | 2.1.11                   | Note 11 |
| B200 M1 and B250 M1           | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0                               | 1.3.36         |                  | 2.1.11                   | Note 11 |
| B200 M1 and B250 M1           | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0i                              | 1.3.36         |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2    | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0 U1                            | 1.3.36         |                  | 2.1.11                   | Note 11 |

| UCS Blade Server           | Vendor | Adapter Model                              | Operating System                  | Adapter Driver    | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|----------------------------|--------|--------------------------------------------|-----------------------------------|-------------------|------------------|--------------------------|---------|
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0i U1                   | 1.3.36            |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0 U2                    | 2.0.38.2.5-2vmw   |                  | 2.1.11                   |         |
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.0i U2                   | 2.0.38.2.5-2vmw   |                  | 2.1.11                   |         |
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.1                       | 2.0.38.2.5.1-lvmw |                  | 2.1.11                   |         |
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | vSphere 4.1i                      | 2.0.38.2.5.1-lvmw |                  | 2.1.11                   |         |
| B200 M1 and B250 M1        | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Windows Server 2003 x64           | 2.4.55.0          |                  | 2.1.11                   | Note 11 |
| B200 M1 and B250 M1        | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Windows Server 2003 x86           | 2.4.55.0          |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2, B250 M1 & M2 | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Windows Server 2008 x64 w/Hyper-V | 2.4.56.0          |                  | 2.1.11                   | Note 11 |

| UCS Blade Server                    | Vendor | Adapter Model                              | Operating System                          | Adapter Driver                  | Adapter Firmware | Adapter Boot Code / BIOS | Notes   |
|-------------------------------------|--------|--------------------------------------------|-------------------------------------------|---------------------------------|------------------|--------------------------|---------|
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS 82598KR-CI 10-Gigabit Ethernet Adapter | Windows Server 2008 R2 x64 w/Hyper-V      | 2.4.56.0                        |                  | 2.1.11                   | Note 11 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M72KR-E Converged Network Adapter      | Enterprise Linux 5.3 64bit                | 8.2.0.71 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter      | Enterprise Linux 5.4 64bit                | 8.2.0.71 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter      | Enterprise Linux 5.5 64bit                | 8.2.0.71 / 2.102.200.29 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M72KR-E Converged Network Adapter      | SUSE Linux Enterprise Server 10.3 64bit   | 8.2.0.71 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter      | SUSE Linux Enterprise Server 11 64bit     | 8.2.8.40 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-E Converged Network Adapter      | SUSE Linux Enterprise Server 11 SP1 64bit | 8.3.5.8.1p / 2.102.147s (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-E Converged Network Adapter      | vSphere 4.0                               | 8.2.0.71.17 / 2.101.386.0 (NIC) | 2702200.1702     | 2.102.200.1702 / 4.01a0  |         |

| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                  | Adapter Driver                  | Adapter Firmware | Adapter Boot Code / BIOS | Notes  |
|-------------------------------------|--------|---------------------------------------|-----------------------------------|---------------------------------|------------------|--------------------------|--------|
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-E Converged Network Adapter | vSphere 4.0i                      | No Support                      |                  |                          | Note 4 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter | vSphere 4.0 U1                    | 8.2.0.71.17 / 2.101.386.0 (NIC) | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter | vSphere 4.0i U1                   | No Support                      |                  |                          | Note 4 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-E Converged Network Adapter | vSphere 4.0 U2                    | 8.2.0.71 / 2.101.386.0 (NIC)    | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-E Converged Network Adapter | vSphere 4.0i U2                   | 8.2.0.71 / 2.101.386.0 (NIC)    | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-E Converged Network Adapter | Windows Server 2003 x64           | 7.2.32.2 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-E Converged Network Adapter | Windows Server 2003 x86           | 5.2.32.2 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter | Windows Server 2008 x64 w/Hyper-V | 7.2.32.2 / 2.102.200.13 (NIC)   | 2702200.1702     | 2.102.200.1702 / 4.01a0  |        |

| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                          | Adapter Driver                | Adapter Firmware | Adapter Boot Code / BIOS | Notes      |
|-------------------------------------|--------|---------------------------------------|-------------------------------------------|-------------------------------|------------------|--------------------------|------------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-E Converged Network Adapter | Windows Server 2008 R2 x64 w/Hyper-V      | 7.2.32.2 / 2.102.200.13 (NIC) | 2.702200.1702    | 2.102.200.1702 / 4.01a0  |            |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-E Converged Network Adapter | Enterprise Linux 4.8 64bit                | 8.0.16.46                     | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-E Converged Network Adapter | Enterprise Linux 5.3 64bit                | 8.2.0.71                      | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter | Enterprise Linux 5.4 64bit                | 8.2.0.71                      | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter | Enterprise Linux 5.5 64bit                | 8.2.0.71                      | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-E Converged Network Adapter | SUSE Linux Enterprise Server 10.3 64bit   | 8.2.0.71                      | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter | SUSE Linux Enterprise Server 11 64bit     | 8.2.8.40                      | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-E Converged Network Adapter | SUSE Linux Enterprise Server 11 SP1 64bit | 8.3.5.8.1p / 2.0.44-k2 (NIC)  | 2.80a4           | 2.11a2                   |            |



| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes      |
|-------------------------------------|--------|---------------------------------------|------------------|----------------|------------------|--------------------------|------------|
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-E Converged Network Adapter | ESX 3.5 U4       | 7.4.0.41-00001 | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-E Converged Network Adapter | ESX 3.5 U5       | 7.4.0.41-00001 | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0      | 8.2.0.30.49vmw | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0i     | 8.2.0.30.49vmw | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0 U1   | 8.2.0.30.52vmw | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0i U1  | 8.2.0.30.52vmw | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0 U2   | 8.2.0.30.52    | 2.80a4           | 2.11a2                   |            |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-E Converged Network Adapter | vSphere 4.0i U2  | 8.2.0.30.52    | 2.80a4           | 2.11a2                   |            |

| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                     | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes      |
|-------------------------------------|--------|-----------------------------------------|--------------------------------------|----------------|------------------|--------------------------|------------|
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-E Converged Network Adapter   | vSphere 4.1                          | 82.130.1-58vmw | 2.80a4           | 2.11a2                   |            |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-E Converged Network Adapter   | vSphere 4.1i                         | 82.130.1-58vmw | 2.80a4           | 2.11a2                   |            |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-E Converged Network Adapter   | Windows Server 2003 x64              | 7.2.32.2       | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-E Converged Network Adapter   | Windows Server 2003 x86              | 5.2.32.2       | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter   | Windows Server 2008 x64 w/Hyper-V    | 7.2.32.2       | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-E Converged Network Adapter   | Windows Server 2008 R2 x64 w/Hyper-V | 7.2.32.2       | 2.80a4           | 5.03a8                   | Note 8, 13 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Enterprise Linux 4.8 64bit           | 1.52.12        | 5.2.7            | 5.2.12                   |            |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Enterprise Linux 5.3 64bit           | 1.52.12        | 5.2.7            | 5.2.12                   |            |

| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                          | Adapter Driver | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-----------------------------------------|-------------------------------------------|----------------|------------------|--------------------------|-------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Enterprise Linux 5.4 64bit                | 1.52.12        | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Enterprise Linux 5.5 64bit                | 1.52.15        | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 10.3 64bit   | 1.52.12        | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 64bit     | 1.52.12        | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | SUSE Linux Enterprise Server 11 SP1 64bit | 1.52.1-7       | 5.2.7            | 5.2.12                   |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0                               | 1.52.12.v40.3  | 5.2.7            | 5.2.12                   |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0i                              | 1.52.12.v40.3  | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0 U1                            | 1.52.12.v40.3  | 5.2.7            | 5.2.12                   |       |

| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                  | Adapter Driver   | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-----------------------------------------|-----------------------------------|------------------|------------------|--------------------------|-------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0i U1                   | 1.52.12.v40.3    | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0 U2                    | 1.52.12.v40.3    | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.0i U2                   | 1.52.12.v40.3    | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.1                       | 154.1.v41.1-lvmw | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | vSphere 4.1i                      | 154.1.v41.1-lvmw | 5.2.7            | 5.2.12                   |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Windows Server 2003 x64           | 5.2.17.0         | 5.2.7            | 5.2.12                   |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Windows Server 2003 x86           | 5.2.17.0         | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Windows Server 2008 x64 w/Hyper-V | 5.2.14.0         | 5.2.7            | 5.2.12                   |       |

| UCS Blade Server                    | Vendor | Adapter Model                           | Operating System                          | Adapter Driver                               | Adapter Firmware | Adapter Boot Code / BIOS | Notes |
|-------------------------------------|--------|-----------------------------------------|-------------------------------------------|----------------------------------------------|------------------|--------------------------|-------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M51KR-B 10-Gigabit Ethernet Adapter | Windows Server 2008 R2 x64 w/Hyper-V      | 5.2.14.0                                     | 5.2.7            | 5.2.12                   |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M72KR-Q Converged Network Adapter   | Enterprise Linux 5.3 64bit                | 803.00.09.05.04-k / 1.0.00.23 (NIC)          | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter   | Enterprise Linux 5.4 64bit                | 803.00.10.05.04-k / 1.0.00.23 (NIC)          | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter   | Enterprise Linux 5.5 64bit                | 803.01.04.05.05-k / 1.0.00.23 (NIC)          | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M72KR-Q Converged Network Adapter   | SUSE Linux Enterprise Server 10.3 64bit   | 803.00.10.10.3-k4 / 1.0.00.23 (NIC)          | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter   | SUSE Linux Enterprise Server 11 64bit     | 803.00.08.11.04-k4 / 1.0.00.23 (NIC)         | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-Q Converged Network Adapter   | SUSE Linux Enterprise Server 11 SP1 64bit | 803.01.06.11.1-k8 / 1.00.00.23.00.00.1 (NIC) | 5.03.06          | 1.05 / 2.14              |       |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-Q Converged Network Adapter   | vSphere 4.0                               | 831.k1.25vmv / 1.0.0.38 (NIC)                | 5.03.06          | 1.05 / 2.14              |       |

| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                  | Adapter Driver                  | Adapter Firmware | Adapter Boot Code / BIOS | Notes  |
|-------------------------------------|--------|---------------------------------------|-----------------------------------|---------------------------------|------------------|--------------------------|--------|
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-Q Converged Network Adapter | vSphere 4.0i                      | No Support                      |                  |                          | Note 4 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter | vSphere 4.0 U1                    | 831.k1.25vmv / 1.0.0.38 (NIC)   | 5.03.06          | 1.05 / 2.14              |        |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter | vSphere 4.0i U1                   | No Support                      |                  |                          | Note 4 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-Q Converged Network Adapter | vSphere 4.0 U2                    | 831.k1.25vmw / 1.0.0.38-1 (NIC) | 5.03.06          | 1.05 / 2.14              |        |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M72KR-Q Converged Network Adapter | vSphere 4.0i U2                   | 831.k1.25vmw / 1.0.0.38-1 (NIC) | 5.03.06          | 1.05 / 2.14              |        |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-Q Converged Network Adapter | Windows Server 2003 x64           | 9.1.8.26 / 1.0.1.2 (NIC)        | 5.03.06          | 1.05 / 2.14              |        |
| B200 M1 and B250 M1                 | Cisco  | UCS M72KR-Q Converged Network Adapter | Windows Server 2003 x86           | 9.1.8.26 / 1.0.1.2 (NIC)        | 5.03.06          | 1.05 / 2.14              |        |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter | Windows Server 2008 x64 w/Hyper-V | 9.1.8.26 / 1.0.1.2 (NIC)        | 5.03.06          | 1.05 / 2.14              |        |

| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                        | Adapter Driver           | Adapter Firmware | Adapter Boot Code / BIOS | Notes      |
|-------------------------------------|--------|---------------------------------------|-----------------------------------------|--------------------------|------------------|--------------------------|------------|
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M72KR-Q Converged Network Adapter | Windows Server 2008 R2 x64 w/Hyper-V    | 9.1.8.26 / 1.0.1.2 (NIC) | 5.03.06          | 1.05 / 2.14              |            |
| B200 M2, B250 M2 and B440           | Cisco  | UCS M71KR-Q Converged Network Adapter | Solaris 10 10/09                        | 20090519-2.31            | 5.1              | 2.02                     |            |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-Q Converged Network Adapter | Enterprise Linux 4.8 64bit              | 8.02.09.02.04.08-d       | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-Q Converged Network Adapter | Enterprise Linux 5.3 64bit              | 8.02.00.06.05.03-k       | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | Enterprise Linux 5.4 64bit              | 8.03.00.10.05.04-k       | 1.3(1c)          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | Enterprise Linux 5.5 64bit              | 8.03.01.04.05.05-k       | 1.3(1c)          | 2.02                     | Note 8, 13 |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-Q Converged Network Adapter | SUSE Linux Enterprise Server 10.3 64bit | 8.03.00.10.10.3-k4       | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | SUSE Linux Enterprise Server 11 64bit   | 8.03.00.08.11.04-9       | 1.3(1c)          | 2.02                     | Note 8, 13 |

| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                          | Adapter Driver                      | Adapter Firmware | Adapter Boot Code / BIOS | Notes      |
|-------------------------------------|--------|---------------------------------------|-------------------------------------------|-------------------------------------|------------------|--------------------------|------------|
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-Q Converged Network Adapter | SUSE Linux Enterprise Server 11 SP1 64bit | 803.01.06.11.1-k8 / 2.0.44-k2 (NIC) | 4.03.01          | 2.02                     |            |
| B200 M1 & M2 and B250 M1 & M2       | Cisco  | UCS M71KR-Q Converged Network Adapter | ESX 3.5 U4                                | 7.95.-vm0                           | 4.04.06          | 2.02                     | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-Q Converged Network Adapter | ESX 3.5 U5                                | 7.95.-vm0                           | 4.04.06          | 2.02                     | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0                               | 80201-k1-vmw38                      | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0i                              | 80201-k1-vmw38                      | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0 U1                            | 80201-k1-vmw38                      | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0i U1                           | 80201-k1-vmw38                      | 4.04.09          | 2.02                     | Note 8, 13 |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0 U2                            | 80201-k1-vmw48                      | 4.03.01          | 2.02                     |            |



| UCS Blade Server                    | Vendor | Adapter Model                         | Operating System                     | Adapter Driver  | Adapter Firmware | Adapter Boot Code / BIOS | Notes         |
|-------------------------------------|--------|---------------------------------------|--------------------------------------|-----------------|------------------|--------------------------|---------------|
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.0i U2                      | 80201-k1-vmw48  | 4.03.01          | 2.02                     |               |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.1                          | 831.k128.1-1vmw | 4.03.01          | 2.02                     |               |
| B200 M1 & M2, B250 M1 & M2          | Cisco  | UCS M71KR-Q Converged Network Adapter | vSphere 4.1i                         | 831.k128.1-1vmw | 4.03.01          | 2.02                     |               |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-Q Converged Network Adapter | Windows Server 2003 x64              | 9.1.8.26        | 4.04.09          | 2.02                     | Note 8, 9, 13 |
| B200 M1 and B250 M1                 | Cisco  | UCS M71KR-Q Converged Network Adapter | Windows Server 2003 x86              | 9.1.8.26        | 4.04.09          | 2.02                     | Note 8, 9, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | Windows Server 2008 x64 w/Hyper-V    | 9.1.8.26        | 1.3(1c)          | 2.02                     | Note 8, 9, 13 |
| B200 M1 & M2, B250 M1 & M2 and B440 | Cisco  | UCS M71KR-Q Converged Network Adapter | Windows Server 2008 R2 x64 w/Hyper-V | 9.1.8.26        | 1.3(1c)          | 2.02                     | Note 8, 9, 13 |

### Storage Array Interoperability Matrix

Table 4 lists the storage array models that the Unified Computing System adapters support.

**Table 4: Storage Array**

| <b>Vendor</b> | <b>Storage Array Model</b>                                        | <b>Notes</b> |
|---------------|-------------------------------------------------------------------|--------------|
| 3PAR          | Some Models Supported; Refer to the Storage Vendor's support list | Note 6, 7    |
| EMC           | Some Models Supported; Refer to the Storage Vendor's support list | Note 6, 7    |
| NetApp        | Some Models Supported; Refer to the Storage Vendor's support list | Note 3, 6, 7 |
| HDS           | Some Models Supported; Refer to the Storage Vendor's support list | Note 6, 7    |
| All Others    | See Vendor Support List for equivalent supported PCIe adapters    | Note 6, 8    |

**Note**

- 1 Requires Intel 55xx chipset drivers from [download.intel.com](http://download.intel.com)
- 2 RHEL errata kernel 2.6.18-128.1.6 (or newer) is required due to advisory RHSA-2009:0326
- 3 SSI Mode Only
- 4 Required driver not included in OS image, installation will not succeed
- 5 Nehalem EX processor family require Patch05 or later
- 6 Non-default adapter settings are typically required by storage vendors and found on their support list
- 7 Multiple array and switch models supported with UCS by the storage vendor are on their support list
- 8 Fiber Channel Storage that supports equivalent adapters and drivers is supported by UCS. UCS M71KR-E is equivalent to Emulex LP2100x, UCS M71KR-Q is equivalent to QLogic QLE804x
- 9 Driver not included in OS image, download from Cisco or OS vendor and install driver to enable device access
- 10 Driver included in OS image should be updated, download from Cisco or OS vendor and install driver to enable device access
- 11 iSCSI Storage that supports equivalent adapters and driver is supported by UCS. UCS 82598KR-CI is equivalent to Intel 82598EB 10 Gigabit Ethernet Controller
- 12 iSCSI Boot is not supported
- 13 Refer to the UCS 82598KR-CI 10-Gigabit Ethernet Adapter for the supported Ethernet driver on this Converged Network Adapter
- 14 Certification is pending for supported driver
- 15 Supported driver is not published
- 16 Xen kernel supported with workarounds as stated in: <http://kbase.redhat.com/faq/docs/DOC-23816>
- 17 Xen kernel supported with workarounds as stated in: <http://kbase.redhat.com/faq/docs/DOC-22147>
- 18 Loading multiple driver disks during a RHEL 5.x installation fails  
<http://kbase.redhat.com/faq/docs/DOC-17753>
- 19 B250 dual adapter configuration requires ESX4.0u1p5 or later
- 20 56xx processor family require Patch04 or later
- 21 55xx processor family supported, this OS version does not support the 56xx processor family
- 22 RHEL errata kernel 2.6.18-164.15.1 (or newer) required for Nehalem EX processor support on B440 M1 servers, See <http://kbase.redhat.com/faq/docs/DOC-33762>
- 23 SLES kernel 2.6.27.45-0.1.1 (or newer) required for Nehalem EX processor support on B440 M1 servers
- 24 For full memory configs see following link:  
[http://kb.vmware.com/selfservice/microsites/search.do?cmd=displayKC&docType=kc&externalId=1016239&sliceId=1&docTypeID=DT\\_KB\\_1\\_1&dialogID=94385437&stateId=0%200%2094389504](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 Support REMOVED for these products due to unresolved technical issues

### 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>

### 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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