



Technical Note  
**Amulet Hotkey DXM blade BIOS,  
firmware and driver versions**

May 2021

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## Introduction

Amulet Hotkey has tested and approved the component firmware and driver versions listed below for Amulet Hotkey PCoIP blade workstations. Approval is given for these system configurations only. Subsequent releases beyond the date of this document are not included.

Where possible, non-critical component versions have been identified and we recommend that you use the latest firmware and driver releases for these components. However, this is without any implied approval by Amulet Hotkey unless otherwise advised by authorised representatives or official notification.

## Updates

The updates for this document were:

SCN	Description	Importance	Products affected
485	M630 13G iDRAC / Lifecycle 2.75.100.75	RECOMMENDED	M630
488	P5000 503SKU VBIOS 8604AB0017	RECOMMENDED	P5000 503 SKU, FC630, FC640 and M640
489	P3000 FC640 QUAD VBIOS 8604AD0003 and driver 461.72	RECOMMENDED	P3000 and FC640
490	Teradici Firmware ZC (21.03.4) and Host (21.03.4)	RECOMMENDED	See SCN490
491	FC630 iDRAC / Lifecycle 2.75.100.75	RECOMMENDED	FC630
492	K2200M Driver 441.66 / 461.92 Win7/Win10	RECOMMENDED	13G Host card DXM13-5 DXP4 K2200M
493	Adlink T1000 Driver 461.92 for Win10	RECOMMENDED	T1000 MxM, DXP4 (3930), FC640 (FX2s) and M640
495	MX7K BSM (FW-MX7K-0010) 5.0.4 CoreModule pBSM (Fan thermal, customer log access)	RECOMMENDED	MX7K CoreModule pBSM Not to be used on MX7K mezz card mBSM
496	MX7K update script 1.1.0-GA (Update pBSM)	RECOMMENDED	MX7K Core module
497	FC640 iDRAC / Lifecycle 4.40.00.00	RECOMMENDED	FC640
499	M640 iDRAC / Lifecycle 4.40.10.00	RECOMMENDED	M640
500	M2200 Driver 462.31 for Win10	RECOMMENDED	14G Host card DXM13-12 and DXP4 M2200
504	FC640 iDRAC / Lifecycle 4.40.10.00	RECOMMENDED	FC640
505	MX7K BSM (FW-MX7K-0010) 5.0.5 MX7K mezz card mBSM (PowerBrake pin Open Drain)	RECOMMENDED	MX7K Mezz Card mBSM Not to be used on MX7K Core Module pBSM

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506	Dell 3930 BIOS 2.10.0	RECOMMENDED	WR3930
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## WR3930

Component	Previous approved version	Current approved version
Chipset drivers Win 10	<b>10.1.17903.8106</b>	<b>10.1.18121.8164_A09</b>
3930 BIOS	<b>Dell 2.9.1</b>	<b>Dell 2.10.0</b>

### Expansion Module

For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 13G PcoIP mezzanine host cards' on page 17.

### Network adapter

Intel NIC driver	23.5.0.0	<b>24.1.0_A02</b>
Aquantia 10 NIC		<b>2.1.12.0</b>

### Supported RAID controllers

Hardware RAID:

For RAID controller summary specifications, see page 23.

### Manuals, drivers and other downloads

- Amulet Hotkey support for FC640 blades: <https://www.amulethotkey.com/support/>

## FC430

Component	Previous approved version	Current approved version
Chipset drivers Win 10	N/A	10.1.2.86, A09
Dell FC30 BIOS	N/A	Dell 2.11.0
iDRAC with Lifecycle Controller	N/A	2.75.75.75
Broadcom NIC	N/A	35.07.00
Tesla T4 Driver Win10	N/A	441.22
<b>Expansion Module</b>		
For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 13G PcoIP mezzanine host cards' on page 17.		
<b>Network adapter</b>		
Broadcom NIC 57810		
<b>Supported RAID controllers</b>		
Hardware RAID: PERC H330 H730P		
For RAID controller summary specifications, see page 23.		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"><li>Amulet Hotkey support for FC430 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li></ul>		

## FC630

Component	Previous approved version	Current approved version
Chipset drivers Win 10		<b>10.1.2.85, A08</b>
Dell M630 BIOS		<b>Dell 2.10.5</b>
iDRAC with Lifecycle Controller	2.70.70.70	<b>2.75.100.75</b>
Intel NIC		<b>18.8.0,A00</b>
SAS Raid		<b>6.604.06.00 ,A05</b>
M2200 Win10 Driver		<b>462.31</b>
Tesla P6 Driver Win10		<b>426.23</b>
<b>Expansion Module</b>		
For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 13G PcoIP mezzanine host cards' on page 17.		
<b>Network adapter</b>		
Intel NIC driver		
Broadcom NIC 57810		
<b>Supported RAID controllers</b>		
Hardware RAID: PERC H330 H730P		
For RAID controller summary specifications, see page 23.		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"><li>Amulet Hotkey support for FC640 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li></ul>		

## FC640

Component	Previous approved version	Current approved version
Chipset drivers Win 10	10.1.18243.8188_A04	<b>10.1.18243.8188_A05_02</b>
Dell M640 BIOS		<b>Dell 2.3.10</b>
iDRAC with Lifecycle Controller	4.40.00.00	<b>4.40.10.00</b>
Broadcom/Qlogic Network Driver Win10	35.07.00, A00-00	<b>35.17.00_A00-00</b>
Intel NIC Driver Win10	19.0.0_A00	<b>19.5.0, A00</b>
SAS Raid Win10		<b>6.604.06.00,A01</b>
Tesla P6 Driver Win10		<b>426.23</b>
M2200 Linux OpenSUSE Driver		<b>430.50</b>
M2200 Win10 Driver 431.86	451.77	<b>462.31</b>
P3000	442.92	<b>461.72</b>
<b>Expansion Module</b>		
For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 13G PcoIP mezzanine host cards' on <a href="#">page 17</a> .		
<b>Network adapter</b>		
Intel NIC driver		
Broadcom NIC 57810		
<b>Supported RAID controllers</b>		
Hardware RAID: PERC H330 H730P		
For RAID controller summary specifications, see <a href="#">page 23</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"> <li>Amulet Hotkey support for FC640 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li> </ul>		



## DXM640

Component	Previous approved version	Current approved version
Chipset drivers Win 10	10.1.18243.8188_A04	10.1.18243.8188_A05_02
M640 BIOS	2.4.8 [Amulet 1.0.0]	2.9.3 [Amulet 1.0.0]
iDRAC with Lifecycle Controller	4.22.00.53	4.40.10.00

### PcoIP mezzanine host cards

For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 14G PcoIP mezzanine host cards on [page 11](#).

### Network adapter

Intel NIC driver	18.8.0_A00_02	19.5.0, A00
Broadcom NIC 57810	35.07.00, A00-00	35.17.00_A00-00

### Supported RAID controllers

Hardware RAID: PERC H330 H730P	6.603.07.00 A00	6.604.06.00_A01_07
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For RAID controller summary specifications, see [page 17](#).

### Manuals, drivers and other downloads

- Amulet Hotkey support for DXM640 blades: <https://www.amulethotkey.com/support/>

## DXM630

Component	Previous approved version	Current approved version
Dell iDRAC with Lifecycle Controller	<b>2.75.75.75</b>	<b>2.75.100.75</b>
Dell M630 BIOS	<b>2.11.0 [Amulet 1.0.1]</b>	<b>2.12.0 [Amulet 1.0.1]</b>
Chipset drivers Win 10	<b>10.1.2.85,A08</b>	<b>10.1.2.86,A09</b>
Chipset drivers Win 7	<b>10.1.2.85,A08</b>	<b>10.1.2.86,A09</b>
Matrox G200 device	<b>n/a</b>	<b>4.1.1.5,A00</b>
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host cards</b>		
For Teradici firmware and PcoIP host software, plus GPU drivers and VBIOS, see 13G PcoIP mezzanine host cards on <a href="#">page 12</a> .		
<b>Network adapter</b>		
Broadcom / QLogic driver Win10	<b>30.00.00 A00-00</b>	<b>35.07.00 ,A00-00</b>
Broadcom / QLogic driver Win7	<b>35.00.00 ,A00-00</b>	<b>34.11.00 _A00-00</b>
Broadcom firmware	<b>7.10.59,7.10.59</b>	<b>08.07.25</b>
Intel firmware	<b>n/a</b>	<b>17.5.10</b>
Intel NIC driver Win10	<b>18.3.0 A00.02</b>	<b>18.8.0 _A00_03</b>
Intel NIC driver Win7	<b>18.8.0 _A00_03</b>	<b>17.5.0 _A00_04</b>
<b>Audio driver</b>		
Realtek audio driver	<b>n/a</b>	<b>R2.73</b>
<b>Supported RAID controllers</b>		
Hardware RAID: H310, H710, H710p, H830 <i>for Windows 10</i>	<b>6.602.35.00, A01</b>	<b>6.604.06.00, A05</b>
Hardware RAID: H310, H710, H710p, H830 <i>for Windows 7/64-bit</i>	<b>6.604.06.00, A05</b>	<b>6.603.07.00 _A04</b>
Hardware RAID: PERC H330 firmware	<b>n/a</b>	<b>25.5.0.0019. A06</b>
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"> <li>Amulet Hotkey support for DXM630 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li> <li>Dell support for M630 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m630/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m630/get-started</a></li> </ul>		

## 14G PcoIP mezzanine host cards

Component	Previous approved version	Current approved version
Teradici PcoIP Host Software driver	<b>4.3.1</b>	<b>20.01.0.413</b>
Teradici firmware	<b>17.05.1 / 20.04.2</b>	<b>21.03.4</b>
<b>AMD GPU</b>		
None listed yet		
<b>NVIDIA GPU – Quadro Desktop/Notebook Driver</b>		
NVIDIA M2200 VBIOS	<b>84.06.7C.00.02</b>	<b>84.06.7E.00.07</b>
NVIDIA M2200 Win7 driver	441.66	<b>441.66</b>
NVIDIA M2200 Win10 driver	460.89	<b>462.31</b>
NVIDIA M2200 Linux driver	<b>430.50</b>	<b>440.44</b>
NVIDIA P5000 Win7 driver	430.39	<b>441.66</b>
NVIDIA P5000 Win10 driver	430.39	<b>461.09</b>
NVIDIA P5000 Linux Driver	<b>410.66</b>	<b>430.26</b>
NVIDIA P2000 Win10 Driver Wells Fargo	<b>441.70</b>	<b>441.87</b>
NVIDIA P3000 Win10 driver	<b>442.92</b>	<b>461.72</b>
NVIDIA T1000 VBIOS		<b>90.17.46.40.14</b>
NVIDIA T1000 Win10 Driver	<b>452.39</b>	<b>461.92</b>
NVIDIA P2000 VBIOS		<b>86.07.91.00.14</b>
NVIDIA P2000 Win10 Driver		<b>452.57</b>

## 13G PcoIP mezzanine host cards

Component	Previous approved version	Current approved version
Teradici PcoIP Host Software driver	4.3.1	20.01.0.413
Teradici firmware	17.05.1 / 20.04.2	<b>21.03.4</b>
<b>AMD GPU</b>		
AMD S4000X Driver (Win 7 & Win 10)	<b>19.Q2</b>	<b>19.Q3</b>
AMD S4000X Video BIOS	<b>C4225400.014</b>	<b>C4225400.106</b>
AMD E6760 Driver	n/a	<b>15.201.1701</b>
<b>NVIDIA GPU – Quadro Desktop/Notebook Driver</b>		
NVIDIA K2200M Driver Win7	430.39	<b>441.66</b>
NVIDIA K2200M Driver Win10	<b>451.77</b>	<b>461.92</b>
NVIDIA K2200M R384 Driver Win7	n/a	<b>386.28</b>
NVIDIA K2200M R384 Driver Win10	n/a	<b>386.28</b>
NVIDIA K2200M Video BIOS	n/a	<b>82.07.80.00.1B</b>
NVIDIA M2000M Video BIOS	<b>82.07.9E.00.3C</b>	<b>82.07.B7.00.01</b>
NVIDIA M3000SE Video BIOS	n/a	<b>84.04.A4.00.01</b>
NVIDIA M5000SE Video BIOS	n/a	<b>84.04.A4.00.0B</b>
NVIDIA M2000M Driver (Win7)	<b>431.02</b>	<b>441.66</b>
NVIDIA M2000M Driver (Win10)	<b>431.02</b>	<b>452.57</b>
NVIDIA M2000M R384 Driver (Win7)	n/a	<b>386.28</b>
NVIDIA M2000M R384 Driver (Win10)	n/a	<b>386.28</b>
NVIDIA M5000M Driver (Win10)	<b>376.84</b>	<b>377.35</b>
NVIDIA M3000SE Driver (Win7)	<b>375.86</b>	<b>376.84</b>
NVIDIA M3000SE Driver (Win10)	<b>375.86</b>	<b>376.84</b>
NVIDIA M5000SE Driver (Win7)	<b>377.35</b>	<b>385.90</b>
NVIDIA M5000SE Driver (Win10)	<b>377.35</b>	<b>385.90</b>
NVIDIA K3100M Driver	n/a	<b>353.82</b>
NVIDIA K5100M Driver	<b>390.77</b>	<b>391.58</b>

## 13G PcoIP mezzanine host cards (continued)

Component	Previous approved version	Current approved version
<b>vGPU</b>		
AMD S7100X Video BIOS	n/a	<b>C7691200.100</b>
AMD S7100X OS Driver	<b>18.Q4.1 Win7/10</b>	<b>19.Q2.1 Win7/10</b>
NVIDIA Tesla M6 Video BIOS	<b>84.04.8F.00.0C</b>	<b>84.04.A5.00.01</b>
NVIDIA Tesla P6 Video BIOS	n/a	<b>86.04.68.00.01</b>
NVIDIA Tesla P6 Win10 driver	n/a	<b>426.23</b>
NVIDIA Tesla M6 OS Driver	<a href="#">Link to NVIDIA portal</a> (see <b>Note</b> below)	

**Note:** For NVIDIA, anyone purchasing GRID is required to purchase licences from Nvidia. The purchase of these licences enables access to a portal where the user can download the relevant driver set.

## DXM-A Apex 2800 (12G/13G)

Component	Previous approved version	Current approved version
ESXi 5.0	n/a	<b>2.3.5</b>
ESXi 5.1	n/a	<b>2.3.5</b>
ESXi 5.5	n/a	<b>2.3.5</b>
ESXi 6.0	n/a	n/a

## KVM Extender hosts

Component	Previous approved version	Current approved version
SW-RHA4-1110	<b>1.13.2</b>	<b>1.14.0</b>
TFTPD64 TFTP client	n/a	<b>4.60</b>

## PCoIP Zero Clients

Component	Previous approved version	Current approved version
T2 Zero Client firmware (Examples: DXZ4, DXZC, DXR-Z4)	<b>17.05.3 / 20.04.4</b>	<b>21.03.4</b>
T2 CPA zero client firmware	20.01.4	<b>21.03.4</b>
DXZ4, DXR-Z4 BSM firmware	<b>2.1.0</b>	<b>3.9.1</b>
DXZC, DXZT BSM firmware	<b>1.3.0</b>	<b>1.3.1</b>

## Leostream Connection Broker

Component	Website links
Leostream Connection Broker	<a href="https://www.leostream.com/resources/product-downloads">https://www.leostream.com/resources/product-downloads</a>

## Teradici Management Console

Component	Previous approved version	Current approved version
Teradici Management Console	n/a	1.10.8

## KVM Switches

Component	Previous approved version	Current approved version
K4u and K4vu firmware	SCN074	SCN262
K4u+	SCN160	SCN263
Mousepoint Installer	2.1	2.3

## Dell M1000e enclosure

Component	Previous approved version	Current approved version
CMC (Chassis Management Controller)	<b>6.20</b>	<b>6.21</b>
Avocent iKVM	<b>1.0.1.1 A03</b>	<b>1.0.1.1 A03</b>
Manuals		
<ul style="list-style-type: none"><li>Dell support for M1000e enclosures (at November 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m1000e/manuals">http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m1000e/manuals</a></li></ul>		



## Supported RAID controllers

RAID Controller	Blade	Summary specification
Dell PERC H330	DXM 630	Internal 12Gb/s RAID controller. Supports 12Gb/s SAS and 6Gb/s SATA. Low cost, entry level RAID solution
Dell PERC H730	DXM 630	Internal 12Gb/s RAID controller with 1GB DDR3 non-volatile (NV) cache. Supports 12Gb/s SAS or SATA
Dell PERC H730p	DXM 630	Internal 12Gb/s RAID controller with 2GB DDR3 non-volatile (NV) cache. Supports 12Gb/s SAS or SATA
Dell PERC H830	DXM 630	Internal 12Gb/s RAID controller with 2GB DDR3 non-volatile (NV) cache. Supports up to 255 SAS drives
Dell PERC H310	DXM 420 520 620	Internal 6Gb/s RAID controller (mini form factor). Low-cost entry level RAID solution
Dell PERC H710	DXM 420 520 620	Internal 6Gb/s RAID controller (mini form factor) with 512MB DDR3 non-volatile (NV) cache
Dell PERC H710p	DXM 420 520 620	Internal 6Gb/s RAID controller (mini form factor) with 1GB DDR3 non-volatile (NV) cache
Dell SAS 6/iR Modular	DXM 610 710	Internal 3Gb/s RAID controller

Further information about Dell PowerEdge RAID Controllers (PERC), at May 2015:

<http://www.dell.com/learn/uk/en/ukbsdt1/campaigns/dell-raid-controllers>

### 13G Support

Drivers for RAID controllers are available from [www.dell.com](http://www.dell.com). See:

*Dell > Support > Product Support > Servers, Storage & Networking > PowerEdge Servers > M630 > Drivers & Downloads > SAS RAID*

### 12G Support

Drivers for RAID controllers are available from [www.dell.com](http://www.dell.com). See:

*Dell > Support > Product Support > Servers, Storage & Networking > PowerEdge Servers > M420|M520|M620 > Drivers & Downloads > SAS RAID*

### 11G Support

We typically provide the SAS 6/iR with DXM610 blades (driver available from Amulet Hotkey), but other Dell RAID controllers are supported:

PERC H200 Modular; PERC H700 Modular; CERC 6/i Modular; PERC 6/i Modular

Contact your Amulet Hotkey representative if you need further information.

## 11 & 12G Blades

## 12G PcoIP mezzanine host cards

Component	Previous approved version	Current approved version
Teradici PcoIP Host Software driver	<b>4.1.0</b>	<b>4.3.1</b>
Teradici firmware	<b>4.9.0</b>	<b>5.1.0</b>
Realtek high definition audio device driver	<b>6.1.7601.16385</b>	<b>R2.73</b>
<b>GPU</b>		
AMD E6760 Driver (Catalyst Display Driver)	<b>15.101.1001</b>	<b>15.201.1701</b>
AMD E6760 Video BIOS	<b>.125</b>	<b>.227</b>
<b>Note:</b> The Video BIOS version determines which graphics drivers are supported for the E6760. See the following 'Video BIOS dependency' section for details.		
AMD S4000X FirePro Driver Win7 &10 (DXM420 only)	<b>18.Q4</b>	<b>19.Q3</b>
NVIDIA 500M Driver Win10 (Quadro/NVS/Tesla/Grid Desktop Driver)	<b>n/a</b>	<b>368.39</b> DXM420 and DXM620 only
NVIDIA 500M Driver Win7 (Quadro/NVS/Tesla/Grid Desktop Driver)	<b>354.56</b>	<b>368.39</b> DXM420 and DXM620 only
NVIDIA Video BIOS for Aydin monitors	<b>70.08.d2.00.00</b>	<b>70.08.d2.00.00</b>

### 1.1.1 Video BIOS dependency for AMD E6760 graphics driver

Supported graphics drivers for the E6760 GPU are dependent on the GPU Video BIOS. In particular, E6760 GPUs with the older Video BIOS are only compatible with AMD Catalyst drivers up to version 12.104. If you want to install the latest Catalyst drivers on these GPUs, you must first update the Video BIOS.

Instructions for installing the latest graphics driver and Video BIOS on DXM blade workstations are in Application Notes 071 and 072. These are available to download from the Amulet Hotkey web site.

Note that E6760 GPUs with Video BIOS .125 or .227 (both versions supersede version .218) are compatible with all versions of the AMD Catalyst driver.

To determine which version of Video BIOS is present on your E6760 GPU, contact Amulet Hotkey Technical Support. You will need to provide the serial number of the Amulet Hotkey PcoIP host card in your blade workstation.

**Amulet Hotkey Technical Support:** <https://www.amulethotkey.com/support/>

## 11G PcoIP mezzanine host cards

Component	Previous approved version	Current approved version
Realtek high definition audio device driver	<b>6.1.7601.16385</b>	<b>R2.73</b>
Teradici PcoIP Host Software driver	<b>4.1.0</b>	<b>4.2.2</b>
Teradici firmware	<b>4.5.1</b>	<b>4.7.1-17101</b>
<b>NVIDIA GPU</b>		
NVIDIA FX 370M GPU	<b>368.39</b>	<b>342.00</b>

## DXM420

Component	Previous approved version	Current approved version
Dell iDRAC with Lifecycle Controller	<b>2.63.60.62</b>	<b>2.65.65.65</b>
Dell M420 BIOS	<b>02.07.00 [1.0.3]</b>	<b>2.8.0 [1.0.3]</b>
Dell Lifecycle Controller CPLD	<b>1.4.2.12 A00</b>	<b>1.4.2.12 A00</b>
Chipset drivers	<b>9.3.2.1020,H00</b>	<b>10.1.2.77</b>
Matrox G200 device	<b>2.4.1.0</b>	<b>2.4.1.0 A00</b>
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host card</b>		
For Teradici firmware and PcoIP host software, audio drivers, plus GPU drivers and VBIOS, see '12G PcoIP mezzanine host card' on <a href="#">page 19</a> .		
<b>Network adapter</b>		
Broadcom driver	<b>18.2</b>	<b>20.0.0</b>
Broadcom Firmware (BCM5720)	<b>n/a</b>	<b>20.2.17</b>
Qlogic FastLinQ Network Adapter Firmware (BCM57810)	<b>7.10.18</b>	<b>08.07.26</b>
<b>Audio driver</b>		
Realtek audio driver	<b>6.1.7601.16385</b>	<b>R2.73</b>
<b>Supported RAID controllers</b>		
Hardware RAID: H310, H710, H710p	<b>6.803.21.00 A07</b>	<b>6.805.03.00,A09</b>
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"> <li>▪ Amulet Hotkey support for DXM420 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li> <li>• Dell support for M420 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m420/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m420/get-started</a></li> </ul>		

## DXM520

Component	Previous approved version	Current approved version
Dell iDRAC with Lifecycle Controller	2.63.60.62	2.65.65.65
Dell M520 BIOS	2.8.0 [1.0.3]	2.9.0 [1.0.3]
Dell Lifecycle Controller CPLD	n /a	1.4.2.12 A00
Chipset drivers	9.3.2.1020, H00	10.1.2.77
Matrox G200 device	2.4.1.0	2.4.1.0 A00
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host cards</b>		
For Teradici firmware and PcoIP host software, audio drivers, plus GPU drivers and VBIOS, see '12G PcoIP mezzanine host card' on <a href="#">page 19</a> .		
<b>Network adapter</b>		
Broadcom driver	18.2	20.0.0
Broadcom firmware	7.10.18	08.07.26
<b>Audio driver</b>		
Realtek audio driver	6.1.7601.16385	R2.73
<b>Supported RAID controllers</b>		
Hardware RAID: H310, H710, H710p	6.803.21.00 A07	6.805.03.00,A09
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"> <li>Amulet Hotkey support for DXM520 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li> <li>Dell support for M520 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m520/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m520/get-started</a></li> </ul>		

## DXM620

Component	Previous approved version	Current approved version
Dell iDRAC with Lifecycle Controller	<b>2.63.60.62</b>	<b>2.65.65.65</b>
Dell M620 BIOS	<b>2.8.0 [1.0.3]</b>	<b>2.9.0 [1.0.3]</b>
Dell Lifecycle Controller CPLD	<b>n/a</b>	<b>1.4.2.12 A00</b>
Chipset drivers	<b>10.1.2.77</b>	<b>10.1.2.77 ,J03</b>
Matrox G200 device	<b>2.4.1.0</b>	<b>2.4.1.0 A00</b>
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host cards</b>		
For Teradici firmware and PcoIP host software, audio drivers, plus GPU drivers and VBIOS, see '12G PcoIP mezzanine host card' on <a href="#">page 19</a> .		
<b>Network adapter</b>		
Broadcom driver	34.11.00 ,A00-00	<b>35.00.00 ,A00-00</b>
Broadcom firmware	<b>n/a</b>	<b>20.2.17</b>
<b>Audio driver</b>		
Realtek audio driver	<b>6.1.7601.16385</b>	<b>R2.73</b>
<b>Supported RAID controllers</b>		
Hardware RAID: H310, H710, H710p	<b>6.803.21.00 A07</b>	<b>6.805.03.00,A04</b>
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"> <li>▪ Amulet Hotkey support for DXM620 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li> <li>▪ Dell support for M620 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m620/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m620/get-started</a></li> </ul>		

## DXM610

Component	Previous approved version	Current approved version
Dell iDRAC	<b>3.75</b>	<b>3.80</b>
Amulet Hotkey M610 BIOS	<b>6.3.0</b>	<b>6.6.0</b>
Dell Lifecycle Controller	<b>1.5.0.671, A00</b>	<b>1.6.5.12 A00</b>
Chipset drivers	<b>n/a</b>	<b>9.1.2.1008, A03</b>
Matrox G200 device	<b>n/a</b>	<b>1.1.3.0 A00</b>
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host cards</b>		
See <a href="#">page 20</a> for drivers.		
<b>Audio driver</b>		
Realtek audio driver	<b>6.1.7601.16385</b>	<b>R2.73</b>
<b>Supported RAID controller</b>		
Dell SAS 6/iR Modular	<b>1.30.02</b>	<b>1.30.02</b>
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"><li>• Amulet Hotkey support for DXM610 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li><li>• Dell support for M610 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m610/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m610/get-started</a></li></ul>		



## DXM710

Component	Previous approved version	Current approved version
Dell iDRAC	3.75	3.80
Amulet Hotkey M710 BIOS	6.2.3	6.6.0
Dell Lifecycle Controller	1.4.0.586, A03	1.6.5.12 A00
Chipset drivers	n/a	9.1.2.1008, A03
Matrox G200 device	n/a	1.1.3.0 A00
Dell M1000e enclosure	See <a href="#">page 16</a> for component details (CMC, iKVM)	
<b>PcoIP mezzanine host cards</b>		
See <a href="#">page 20</a> for drivers.		
<b>Audio driver</b>		
Realtek audio driver	6.1.7601.16385	R2.73
<b>Supported RAID controller</b>		
Dell SAS 6/iR Modular	1.30.02	1.30.02
For RAID controller summary specifications, see <a href="#">page 17</a> .		
<b>Manuals, drivers and other downloads</b>		
<ul style="list-style-type: none"><li>Amulet Hotkey support for DXM710 blades: <a href="https://www.amulethotkey.com/support/">https://www.amulethotkey.com/support/</a></li><li>Dell support for M710 blades (at May 2015): <a href="http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-m710/get-started">www.dell.com/support/home/us/en/19/product-support/product/poweredge-m710/get-started</a></li></ul>		