



CryptoServer Se-Series Gen2 Supported Workstation and Server Hardware (Feb 2017)

CryptoServer Se-Series Gen2 plug-in cards have successfully been tested on the following hardware platforms (sorted alphabetically by vendor, recent platforms first).

Workstation and Server Hardware	Configuration (Processor, Operating System)
Dell PowerEdge R230	Intel Xeon E3-1200 v5 Series, chipset Intel C236, PCIe x16 slot Windows Server 2012 R2
Dell PowerEdge R330	Intel Xeon E3-1200 v5 Series, chipset Intel C236, PCIe x16 slot Windows Server 2012 R2
Dell PowerEdge R730	Intel Xeon E5-2600 v3 Series, 8 Cores, chipset Intel C610, PCIe x8 and x16 slots Windows Server 2012 R2
Dell PowerEdge R720	Intel Xeon E5-2600 Series, 4/8 Cores, chipset Intel C600 Debian Linux, RedHat Linux Enterprise Server 6.1
Fujitsu Siemens Esprimo P920 M15W	Intel Core i5-4570, chipset Intel Haswell Q87 Windows 7
HP ProLiant DL360 Gen9	Intel Xeon E5-2609 v3 (6 Cores), chipset Intel C610 RedHat Linux Enterprise Server 6.6
HP ProLiant DL320e Gen8 v2	Intel Xeon E3-1220 v3 Quadcore Debian 7
HP ProLiant ML350p Gen8	Intel Xeon E5-2600 Series, chipset Intel C600 Suse Linux Enterprise Server 11.1
IBM System x3650 M3	Intel Xeon 5600 Series, 6 Cores Debian Linux, RedHat Linux Enterprise Server 6.1, Windows Server 2003 R2, Windows Server 2008 R2
Supermicro motherboards with and without riser card	* X10SLH-F, with Intel Xeon E3-1200 v3 Series, chipset Intel C222 Express PCH, Linux * X9SAE-V with Intel Xeon E3-1200 v2 Series, chipset Intel C216 Express PCH, Linux * X9SCM-F with Intel Xeon processor E3-1200 and E3-1200 v2 Series, chipset Intel C204PCH, Linux
Supermicro motherboards with riser card RSC-R2U-E8	* X9SRI-F with Intel Xeon processor E5-2600 Series, chipset Intel C602, Linux * X9SCM-F with Intel Xeon processor E3-1200 Series, chipset Intel C204PCH, Linux * X8SIL-F-O with Intel Xeon processor X3400 Series, chipset Intel 3420, Linux



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Workstation and Server Hardware	Configuration (Processor, Operating System)
Dell PowerEdge R730	Intel Xeon E5-2600 v3 Series, 8 Cores, chipset Intel C610, PCIe x8 and x16 slots Windows Server 2012 R2
Dell PowerEdge R720	Intel Xeon E5-2600 Series, 4/8 Cores, chipset Intel C600 Debian Linux, RedHat Linux Enterprise Server 6.1
Dell PowerEdge R710	Intel Xeon 5500 Series, Quad Core, chipset Intel 5520 Debian Linux, Suse Linux Enterprise Server 11.1, RedHat Linux Enterprise Server 6.1, Windows Server 2008 R2
Dell PowerEdge R620	Intel Xeon E5-2600 Series, Quad Core, chipset Intel C600 Suse Linux Enterprise Server 11.2
Dell PowerEdge R610	Intel Xeon 5500 Series, Quad Core, chipset Intel 5520 Debian Linux
Dell PowerEdge R510	Intel Xeon 5500 Series, Quad Core, chipset Intel 5500 Ubuntu 14.04
HP ProLiant DL360 Gen9	Intel Xeon E5-2609 v3 (6 Cores), chipset Intel C610 RedHat Linux Enterprise Server 6.6
HP ProLiant ML350p Gen8	Intel Xeon E5-2600 Series, chipset Intel C600 (when installed in PCIe 2.0 slot, i.e. expansion slot #5) Suse Linux Enterprise Server 11.1
HP ProLiant DL380p Gen8	Intel Xeon E5-2600 Series, chipset Intel C600 (when installed in PCIe 2.0 slot, i.e. expansion slot #3) Red Hat Enterprise Linux
HP ProLiant DL385 G8	AMD Opteron™ 63xx, chipset AMD SR5690 Northbridge and SP5100 Southbridge CentOS 6
HP ProLiant DL385 G7	AMD Opteron™ Modell 6128, 8 Cores, chipset AMD SR5690 Northbridge and SP5100 Southbridge Debian Linux, Suse Linux Enterprise Server 11.1, Red Hat Enterprise Linux 6, Windows Server 2008 R2
IBM System x3650 M3	Intel Xeon 5600 Series, 6 Cores Debian Linux, RedHat Linux Enterprise Server 6.1, Windows Server 2003 R2, Windows Server 2008 R2



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Workstation and Server Hardware	Configuration (Processor, Operating System)
IBM System x3200 M3	Intel Xeon 3430, Quad Core Linux
Intel® Server Board S2600WT2	Intel Xeon E5-2600 v3, chipset DH82029 PCH, PCIe x4 and x8 slots Linux
Intel® Server Board R1304RPMSHOR	Intel Xeon E3-1200 v4 series, chipset Intel C226 Linux
Supermicro 2U Twin	Two Intel Xeon 5600/5500 Series processors, chipset Intel 5520 Linux
Supermicro motherboards without riser card	* X9SAE-V with Intel Xeon E3-1200 v2 Series, chipset Intel C216 Express PCH, x1- and x4-slot, Linux * X10SRW-F with Intel Xeon processor E5-2600 v3 Series, chipset Intel C216 Express PCH, Linux
Supermicro motherboards with riser card RSC-R2U-E8	* X9SRi-F with Intel Xeon processor E5-2600 Series, chipset Intel C602, Linux * X9SCM-F with Intel Xeon processor E3-1200 Series, chipset Intel C204PCH, Linux * X8SIL-F-O with Intel Xeon processor X3400 Series, chipset Intel 3420, Linux

Known issues

CryptoServer Se-Series plug-in cards have shown issues in some servers and workstations when a) the server / workstation is equipped with Intel Xeon E3-1200v2/v3/v5 CPU and b) the CryptoServer Se-Series plug-in card is installed in PCIe 3.0 x16 slots. In such cases, the plug-in card is not detected by the CPU chipset, i.e. it is not visible at all in the Windows Device Manager resp. when executing the command “lspci” on a Linux system. Plugging the CryptoServer Se-Series card into PCIe 2.0 slots in the same server / workstation did not show any issue. We recommend using PCIe 2.0 slots in case the plug-in card is not detected in a PCIe 3.0 slot.

Similar issues with other Intel CPUs have not been encountered.



CryptoServer CSe-Series Supported Workstation and Server Hardware (Feb 2017)

CryptoServer CSe-Series plug-in cards have successfully been tested on the following hardware platforms (sorted alphabetically by vendor, recent platforms first).

Workstation and Server Hardware	Configuration (Processor, Operating System)
Dell PowerEdge R230	Intel Xeon E3-1200 v5 Series, chipset Intel C236, PCIe x16 slot Windows Server 2012 R2
Dell PowerEdge R730	Intel Xeon E5-2600 v3 Series, 8 Cores, chipset Intel C610, PCIe x8 and x16 slots Windows Server 2012 R2
Dell PowerEdge R720	Intel Xeon E5-2600 Series, 4/8 Cores, chipset Intel C600 Debian Linux, RedHat Linux Enterprise Server 6.1
Dell PowerEdge R710	Intel Xeon 5500 Series, Quad Core, chipset Intel 5520 Debian Linux, RedHat Linux Enterprise Server 6.1, Cent OS 6.4
Dell PowerEdge R620	Intel Xeon E5-2600 Series, Quad Core, chipset Intel C600 Suse Linux Enterprise Server 11.2
Dell PowerEdge R320	Intel Xeon E5-2400 Series, chipset Intel C600 Linux
Fujitsu Esprimo P910	Intel Core i5-3470, chipset Q77 Windows 7
HP ProLiant DL360 Gen9	Intel Xeon E5-2609 v3 (6 Cores), chipset Intel C610 RedHat Linux Enterprise Server 6.6
HP ProLiant DL320e Gen8 v2	Intel Xeon E3-1200v3 Series, chipset Intel C222 Ubuntu 13.10
HP ProLiant DL380 Gen8	Intel Xeon E5-2600 Series, chipset Intel C600 Linux
HP ProLiant ML350p Gen8	Intel Xeon E5-2600 Series, chipset Intel C600 Suse Linux Enterprise Server 11.1
HP ProLiant DL385 G7	AMD Opteron™ Modell 6128, 8 Cores, chipset AMD SR5690 Northbridge and SP5100 Southbridge Debian Linux, Suse Linux Enterprise Server 11.1, Red Hat Enterprise Linux 6, Windows Server 2008 R2



CryptoServer CSe-Series Supported Workstation and Server Hardware (Feb 2017)

Workstation and Server Hardware	Configuration (Processor, Operating System)
IBM System x3250 M4	Intel Xeon E3-1200 v2 Series Debian Linux, RedHat Linux Enterprise Server 6.1, Windows Server 2003 R2, Windows Server 2008 R2
IBM System x3650 M3	Intel Xeon 5600 Series, 6 Cores Debian Linux, RedHat Linux Enterprise Server 6.1, Windows Server 2003 R2, Windows Server 2008 R2
Supermicro motherboards	* X10SLL-F Rev 1.01., with Intel Xeon E3-1200 v3 Series, chipset Intel C222 Express PCH, Linux