

Quanta Cloud Technology

D51B-1U_D51B-2U

QCT provides the Compatible Components List (CCL) for channel partners and systems integrators to ensure compatibility when selecting components for full system integration. QCT has spent reasonable efforts to ensure the listed components have passed extensive testing with QCT hardware. QCT is not able to guarantee the quality and reliability of the third-party components. This compatibility list is provided for reference only and not to replace the full QCT hardware certification program.

OS CCL

OS Type

Support Level

Citrix XenServer Enterprise v6.1	(QCT Tested: Either OS or hypervisor successfully installed)
Citrix XenServer Enterprise v6.0	(QCT Tested: Either OS or hypervisor successfully installed)
Citrix XenServer Enterprise v5.6 VDI support	(QCT Tested: Either OS or hypervisor successfully installed)
Microsoft Windows Server 2012 R2, including Hyper-V	(QCT Supported and OS Partner Certified)
Microsoft Windows Server 2012 , including Hyper-V	(QCT Support Planned)
Microsoft Windows Server 2008 R2_64, with SP1, Enterprise Edition, including Hyper-V	(QCT Tested: Either OS or hypervisor successfully installed)
Novell SUSE Linux Enterprise Server 10 SP4 X86_64 (Legacy only)	(QCT Tested: Either OS or hypervisor successfully installed)
Red Hat Enterprise Linux 7.0 X86_64 including KVM	(QCT Tested: Either OS or hypervisor successfully installed)
Red Hat Enterprise Linux 6.5 (Update 5) X86_64 including KVM	(QCT Tested: Either OS or hypervisor successfully installed)
Red Hat Enterprise Linux 5 Update 9 X86_64 including KVM (Legacy only)	(QCT Tested: Either OS or hypervisor successfully installed)
Ubuntu Server 14.04 (LTS)	(QCT Supported and OS Partner Certified)
Ubuntu Server 12.04.1 (LTS)	(QCT Tested: Either OS or hypervisor successfully installed)
VMware vSphere 5.5 (ESXi 5.5u2) Update 2	(QCT Support Planned)

CPU CCL

Model	FSB	QPI Max	Core	Frequency	Watt	VendorPN
E5-2699 v3	NA	9.6GT/s	18 Core	2.3GHz	145W	CM8064401739300
E5-2698 v3	NA	9.6GT/s	16 core	2.3GHz	135W	CM8064401609800
E5-2697 v3	NA	9.6GT/s	14 core	2.6GHz	145W	CM8064401807100
E5-2695 v3	NA	9.6GT/s	14 core	2.3GHz	120W	CM8064401438110
E5-2690 v3	NA	9.6GT/s	12 Core	2.6GHz	135W	CM8064401439416
E5-2683 v3	NA	9.6GT/s	14 core	2.0GHz	120W	CM8064401609728
E5-2680 v3	NA	9.6GT/s	12 Core	2.5GHz	120W	CM8064401439612
E5-2670 v3	NA	9.6GT/s	12 Core	2.3GHz	120W	CM8064401544801
E5-2667 v3	NA	9.6GT/s	8 Core	3.2GHz	135W	CM8064401724301
E5-2660 v3	NA	9.6GT/s	10 core	2.6GHz	105W	CM8064401446117
E5-2650L v3	NA	9.6GT/s	12 Core	1.8GHz	65W	CM8064401575702
E5-2650 v3	NA	9.6GT/s	10 core	2.3GHz	105W	CM8064401723701
E5-2643 v3	NA	9.6GT/s	6 Core	3.4GHz	135W	CM8064401724501
E5-2640 v3	NA	8.0GT/s	8 Core	2.6GHz	90W	CM8064401830901
E5-2637 v3	NA	9.6GT/s	Quad	3.5GHz	135W	CM8064401724101
E5-2630L v3	NA	8.0GT/s	8 Core	1.8GHz	55W	CM8064401832100
E5-2630 v3	NA	8.0GT/s	8 Core	2.4GHz	85W	CM8064401831000

E5-2623 v3	NA	8.0GT/s	Quad	3.0GHz	105W	CM8064401832000
E5-2620 v3	NA	8.0GT/s	6 Core	2.4GHz	85W	CM8064401831400
E5-2609 v3	NA	6.4GT/s	6 Core	1.9GHz	85W	CM8064401850800
E5-2603 v3	NA	6.4GT/s	6 Core	1.6GHz	85W	CM8064401844200

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	VendorPN
DDR4_LR	17000 (2133MHz)	32GB	Register	Micron	MTA72ASS4G72LZ-2G1A1
DDR4	17000 (2133MHz)	16GB	Register	Micron	MTA36ASF2G72PZ-2G1A2
DDR4	17000 (2133MHz)	16GB	Register	Samsung	M393A2G40DB0-CPB
DDR4	17000 (2133MHz)	16GB	Register	SK Hynix	HMA42GR7MFR4N-TF
DDR4	17000 (2133MHz)	8GB	Register	Micron	MTA18ASF1G72PZ-2G1A2
DDR4	17000 (2133MHz)	8GB	Register	Samsung	M393A1G40DB0-CPB
DDR4	17000 (2133MHz)	8GB	Register	SK Hynix	HMA41GR7MFR4N-TF

HDD CCL

Form Factor	Interface	Bandwidth	Capacity	Rpm	Vendor	Product family	Model	VendorPN
3.5	SASII	6 Gb/s	4TB	7.2 Krpm	WD	SX800M	WD4001FYYG-01SL3W1	WD4001FYYG-01SL3W1
3.5	SASII	6 Gb/s	3TB	7.2 Krpm	Seagate	Megalodon	ST3000NM0023	9ZM278-004
3.5	SASII	6 Gb/s	3TB	7.2 Krpm	WD	SX800M	WD3001FYYG	WD3001FYYG-01SL3W1
3.5	SASII	6 Gb/s	2TB	7.2 Krpm	Seagate	Megalodon	ST2000NM0023	9ZM275-004
3.5	SASII	6 Gb/s	1TB	7.2 Krpm	Seagate	Megalodon	ST1000NM0023	9ZM273-004
3.5	SASIII	12 Gb/s	6TB	7.2 Krpm	Seagate	Makara	ST6000NM0034	9ZM273-004
3.5	SASIII	12 Gb/s	4TB	7.2 Krpm	Seagate	Makara	ST4000NM0034	9ZM278-004
3.5	SASIII	12 Gb/s	2TB	7.2 Krpm	Seagate	Makara	ST2000NM0034	9ZM270-004
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	Seagate	Makara	ST6000NM0024	1HT17Z-001
3.5	SATAIII	6 Gb/s	5TB	7.2 Krpm	Seagate	Makara	ST5000NM0024	1HT170-500
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Seagate	Makara	ST4000NM0024	1HT178-001
3.5	SATAIII	6 Gb/s	3TB	7.2 Krpm	Seagate	Megalodon	ST3000NM0033	9ZM178-004
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	Seagate	Makara	Makara-2TB-SATA	ST2000NM0024 1HT174-001
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	Seagate	Megalodon	ST2000NM0033	9ZM175-004
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	WD	EX800M	WD2000FYYZ	WD2000FYYZ-01UL1B1
3.5	SATAIII	6 Gb/s	1TB	7.2 Krpm	Seagate	Megalodon	ST1000NM0033	9ZM173-004
2.5	SASII	6 Gb/s	1.2TB	10 Krpm	HGST	Cobra-EP	HUC101212CSS600	0B25168
2.5	SASII	6 Gb/s	1.2TB	10 Krpm	Seagate	Ironman	ST1200MM0007	1DA200-002

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2.5	SASII	6 Gb/s	900GB	10 Krpm	HGST	Cobra-E	HUC109090CSS600	0B26014
2.5	SASII	6 Gb/s	900GB	10 Krpm	Seagate	Lightning	ST900MM0006	9WH066-003
2.5	SASII	6 Gb/s	900GB	10 Krpm	Toshiba	Allegro AL 13SE	AL13SEB900	NA-AL13SEB900
2.5	SASII	6 Gb/s	900GB	10 Krpm	WD	SL300M	WD9001BKHG	WD9001BKHG-02D22V3
2.5	SASII	6 Gb/s	600GB	10 Krpm	HGST	Cobra-E	HUC109060CSS600	0B26013
2.5	SASII	6 Gb/s	600GB	10 Krpm	Seagate	Lightning	NA	9WG066-003
2.5	SASII	6 Gb/s	600GB	10 Krpm	Seagate	Lightning	ST600MM0006	9WG066-003
2.5	SASII	6 Gb/s	450GB	10 Krpm	HGST	Cobra-E	HUC109045CSS600	0B26012
2.5	SASII	6 Gb/s	300GB	10 Krpm	HGST	Cobra-E	HUC109030CSS600	0B26011
2.5	SASIII	12 Gb/s	600GB	15 Krpm	HGST	KingCobra-F	HUC156060CSS200	0F28953
2.5	SATAIII	6 Gb/s	1TB	7.2 Krpm	Seagate	Airwalker	ST91000640NS	9RZ168-003
2.5	SATAIII	6 Gb/s	500GB	7.2 Krpm	HGST	Jaguar-C7 EA	HTE725050A7E630	0J26055
2.5	SATAIII	6 Gb/s	500GB	7.2 Krpm	Seagate	Airwalker	ST9500620NS	9RZ164-003
2.5	SATAIII	6 Gb/s	320GB	7.2 Krpm	HGST	Jaguar-C7 EA	HTE725032A7E630	0J26053

Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	VendorPN	BBU SuperCap
	6Gbps	LSISAS2108	8i	RAID 0,1,5,6,10,50,60	512MB	PCI-E X8	Gen 2	LSI	MEGARAID SAS9260-8i	L3-25121-85	Ibbu08
	6Gbps	LSISAS2108	4i4e	RAID 0,1,5,6,10,50,60	512MB	PCI-E X8	Gen 2	LSI	MEGARAID SAS9280-4i4E	L5-25305-05	Ibbu08
		NA	NA	RAID 6	NA	NA	NA	LSI	Lisence Key, RAID 6 for 2108	L3-25150-19	NA
		NA	NA	RAID 6	NA	NA	NA	LSI	Lisence Key, RAID 6 for 2208	L3-25188-15A	NA
FHHL	12Gbps	3008	16e	NA	NA	PCI-E X8	Gen 3	LSI	LSI-9300-16E	25520-00	NA
HHHL	12Gbps	3008	8i	NA	NA	PCI-E X8	Gen 3	LSI	LSI-9300-8i	25573-00	NA
HHHL	12Gbps	3008	8e	NA	NA	PCI-E X8	Gen 3	LSI	LSI-9300-8E	H5-25460-00	NA
HHHL	12Gbps	LSI 3108	8i	RAID 0,1,1E,5,6,10,50,60	1GB	PCI-E X8	Gen 3	LSI	MegaRAID-9361-8i	25420-00	IBBU09/CVFM02+CVPM02
HHHL	6Gbps	LSISAS2108	8e	RAID 0,1,5,6,10,50,60	512MB	PCI-E X8	Gen 2	LSI	MegaRAID-9280-8E	L5-25152-24	Ibbu08
						PCI-	Gen				

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HHHL	6Gbps	LSISAS2308	8i	RAID 0,1,1E,10	NA	E X8	3	LSI	LSI-9217-8i	25331-01	NA
Mezz	6Gbps	LSISAS2208	8i	RAID 0,1,5,10,50	1GB	PCI- E X8	Gen 3	Quanta	QS-2208- R5-PD32	36S2TRM0030	IBBU09/ CVFM02+CVP02
Mezz	6Gbps	LSISAS2308	8i	RAID 0,1,1E,10	NA	PCI- E X8	Gen 3	Quanta	QS-2308-IR	35S2TSM0000	NA
Mezz	12Gbps	LSISAS3008	8i	RAID 0,1,1E,10	NA	PCI- E X8	Gen 3	Quanta	QS-3008- 8i-IR	35S2BMA0000	NA

LAN card CCL

Form Factor	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	VendorPN
FHHL	10Gb	RJ45	2 port	Intel	X540-T2	Intel X540	PCI-E X 8	Gen 2	X540T2G1P5
HHHL	1Gb	RJ45	4 port	Intel	i350-T4	Intel-I350	PCI-E X 4	Gen 2	I350T4G1P20
NA	10Gb	SFP+	2 port	Intel	X520-DA2	Intel 82599ES	PCI-E X 8	Gen 2	E10G42BDAG1P5
OCP Mezz	40Gb	QSFP	1 port	Quanta	ON 40GbE CX3PRO	ConnectX-3 Pro VPI	PCI-E X 8	Gen 3	35S2BMA0020
OCP Mezz	40Gb	QSFP	1 port	Quanta	ON 40GbE Skyhawk-R	Skyhawk-R	PCI-E X 8	Gen 3	35S2BMA0010
OCP Mezz	10Gb	RJ45	2 port	Quanta	ON 10GbE X540	Intel X540	PCI-E X 8	Gen 2	37S2SLB0020
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 57810-QCT	BCM57810	PCI-E X 8	Gen 2	3MS2ZLB0030
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 82599ES-QCT	Intel 82599ES	PCI-E X 8	Gen 2	3JF03MA00D0
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE CX3PRO	ConnectX-3 Pro EN	PCI-E X 8	Gen 3	3MS2BLB0000
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE Skyhawk-R	Skyhawk-R	PCI-E X 8	Gen 3	3MS2BLB0030
OCP Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 57811-QCT	BCM57711	PCI-E X 8	Gen 2	3MS2ZLB0000
OCP Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 82599EN-QCT	Intel 82599EN	PCI-E X 8	Gen 2	3JF03MA00C0
OCP Mezz	1Gb	RJ45	2 port	Quanta	ON 1GbE I350	Intel-I350	PCI-E X 8	Gen 2	37S2SLB0010

Fiber card CCL

Form Factor	Speed	Port	Vendor	Model	Chip	Bus	Gen	VendorPN
	8Gb	2	Qlogic	QLE2562-CK	EP2532	PCI-E X 8	Gen 2	QLE2562-SP
	8Gb	1	Qlogic	NA	ISP2532	PCI-E X 4	Gen 2	QLE2560
HHHL	8Gb	2	Qlogic	NA	ISP2532	PCI-E X 4	Gen 2	QLE2562-CK

DOM CCL

Size	Vendor	VendorPN
32GB	Techcomp	SD131C-032GM-JM-A
16GB	Techcomp	SD131C-016GM-JM-A
8GB	Techcomp	SD131C-008GM-JM-A

Cache module CCL

Type	Capacity	Generation	Form Factor	Process	NAND Type	Vendor	Product family	VendorPN
PCI-E X4	1.65TB	Gen2	HHHL PCIe	25nm	MLC	FusionIO	ioScale2	F11-003-1T65-CS-0001

SSD CCL

Form Factor	Type	Bandwidth	Capacity	NAND Type	Process	Vendor	Product family	VendorPN
2.5	AHCI	6Gb/s	960GB	MLC	19nm	Samsung	SV843	MZ7WD960HMHP-00003
2.5	AHCI	6Gb/s	960GB	MLC	20nm	Micron	M500	MTFDDAK960MAV-1AE12ABYY
2.5	AHCI	6Gb/s	800GB	MLC	20nm	Intel	S3500	SSDSC2BB800G4
2.5	AHCI	Gen2 X4	700GB	MLC	25nm	Micron	P420m	MTFDGAL700MAX-1AG1ZABYY
2.5	AHCI	6Gb/s	600GB	MLC	20nm	Intel	S3500	SSDSC2BB600G4
2.5	AHCI	6Gb/s	480GB	MLC	19nm	Samsung	SM843Tn	MZ7WD480HCGM-000QT
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Intel	S3500	SSDSC2BB480G401
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Micron	M500	MTFDDAK480MAV-1AE12ABYY
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Micron	M500DC	MTFDDAK480MBB-1AE1ZABYY
2.5	AHCI	Gen2 X4	350GB	MLC	25nm	Micron	P420m	MTFDGAL350MAX-1AG1ZABYY
2.5	AHCI	6Gb/s	300GB	MLC	20nm	Intel	S3500	SSDSC2BB300G4
2.5	AHCI	6Gb/s	240GB	MLC	19nm	Samsung	SM843Tn	MZ7WD240HCFV-000QT
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Intel	S3500	SSDSC2BB240G401
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Micron	M500	MTFDDAK240MAV-1AE12ABYY
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Micron	M500DC	MTFDDAK240MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	160GB	MLC	20nm	Intel	S3500	SSDSC2BB160G4
2.5	AHCI	6Gb/s	120GB	MLC	19nm	Samsung	SM843Tn	MZ7WD120HCFV-000QT
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Intel	S3500	SSDSC2BB120G401
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Micron	M500	MTFDDAK120MAV-1AE12ABYY
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Micron	M500DC	MTFDDAK120MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	80GB	MLC	20nm	Intel	S3500	SSDSC2BB080G4
2.5	NVMe	Gen3 X4	2TB	MLC HET	20nm	Intel	P3700	SSDPE2MD020T401
2.5	NVMe	Gen3 X4	800GB	MLC HET	20nm	Intel	P3700	SSDPE2MD800G401
2.5	NVMe	Gen3 X4	400GB	MLC HET	20nm	Intel	P3700	SSDPE2MD400G401
2.5	SCSI	12Gb/s	800GB	MLC	25nm	HGST	Sunset Cove	0B28589
2.5	SCSI	12Gb/s	400GB	MLC	25nm	HGST	Sunset Cove	0B28588
2.5	SCSI	12Gb/s	200GB	MLC	25nm	HGST	Sunset Cove	0B28587