

Quanta Cloud Technology

F06D

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
Microsoft Windows Server 2012 R2, including Hyper-V	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Red Hat Enterprise Linux 7.0 X86_64 including KVM	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Red Hat Enterprise Linux 6.5 (Update 5) X86_64 including KVM	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Ubuntu Server 14.04 (LTS)	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
VMware vSphere 6.0	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
VMware vSphere 5.5 (ESXi 5.5u2) Update 2	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Microsoft Windows Server 2012 , including Hyper-V	(QCT Supported)
Red Hat Enterprise Linux 7.1 X86_64 including KVM	(QCT Tested: Either OS or hypervisor successfully installed)
Microsoft Windows Storage Server 2012, including Hyper-V	(QCT Support Planned)
Red Hat Enterprise Linux 7.2 X86_64 including KVM	(QCT Support Planned)
Ubuntu Server 14.04.2(LTS)	(QCT Support Planned)

CPU CCL

Model	FSB	QPI Max	Core	Frequency	Watt	QuantaPN	VendorPN	Note
E5-2698 v4	2400	9.6GT/s	20 Core	2.2GHz	135W	AJSR2JWUA00	CM8066002024000	
E5-2690 v4	2400	9.6GT/s	14 Core	2.6GHz	135W	AJSR2N2QA00	CM8066002030908	
E5-2680 v4	2400	9.6GT/s	14 Core	2.4GHz	120W	AJSR2N7UA00	CM8066002031501	
E5-2667 v4	2400	9.6GT/s	8 Core	3.2GHz	135W	AJSR2P58A00	CM8066002041900	
E5-2643 v4	2400	9.6GT/s	6 Core	3.4GHz	135W	AJSR2P48A00	CM8066002041500	
E5-2640 v4	2133	8.0GT/s	10 Core	2.4GHz	90W	AJSR2NZUA00	CM8066002032701	
E5-2637 v4	2400	9.6GT/s	Quad	3.5GHz	135W	AJSR2P38A00	CM8066002041100	
E5-2698 v3	2133	9.6GT/s	16 Core	2.3GHz	135W	AJSR1XEUA00	CM8064401609800	
E5-2695 v3	2133	9.6GT/s	14 Core	2.3GHz	120W	AJSR1XGUA00	CM8064401438110	
E5-2690 v3	2133	9.6GT/s	12 Core	2.6GHz	135W	AJSR1XNQA00	CM8064401439416	
E5-2683 v3	NA	9.6GT/s	14 Core	2.0GHz	120W	AJSR1XHUA00	CM8064401609728	
E5-2680 v3	2133	9.6GT/s	12 Core	2.5GHz	120W	AJSR1XPRA00	CM8064401439612	
E5-2670 v3	2133	9.6GT/s	12 Core	2.3GHz	120W	AJSR1XSUA00	CM8064401544801	
E5-2660 v3	2133	9.6GT/s	10 Core	2.6GHz	105W	AJSR1XRQA00	CM8064401446117	
E5-2650L v3	2133	9.6GT/s	12 Core	1.8GHz	65W	AJSR1Y1UA00	CM8064401575702	
E5-2650 v3	2133	9.6GT/s	10 Core	2.3GHz	105W	AJSR1YUA00	CM8064401723701	

*Grayed-out items: to be EOL soon or already EOL

Memory CCL

Marketing summary report

SDRAM Type	Frequency	Size	DIMM Type	Vendor	QuantaPN	VendorPN	Note
DDR4	17000(2133MHz)	32GB	Register	Samsung	ATR3XAGR505	M393A4K40BB0-CPB	
DDR4	17000(2133MHz)	16GB	Register	Samsung	ATR3GAGM538	M393A2K40BB0-CPB	
DDR4	17000(2133MHz)	16GB	Register	SK Hynix	ATR3GAGMW20	HMA42GR7AFR4N-TF	
DDR4_LR	17000(2133MHz)	32GB	Register	Samsung	ATR3XAGL500	M386A4G40DM0-CPB	
DDR4	17000(2133MHz)	16GB	Register	Micron	ATR3GAGML18	MTA36ASF2G72PZ-2G1A2	
DDR4	17000(2133MHz)	16GB	Register	Samsung	ATR3GAGM513	M393A2G40DB0-CPB	
DDR4	17000(2133MHz)	16GB	Register	SK Hynix	ATR3GAGMW08	HMA42GR7MFR4N-TF	
DDR4	17000(2133MHz)	8GB	Register	Micron	ATR38AGML26	MTA18ASF1G72PZ-2G1A2	
DDR4	17000(2133MHz)	8GB	Register	Samsung	ATR38AGM534	M393A1G40DB0-CPB	
DDR4	17000(2133MHz)	8GB	Register	SK Hynix	ATR38AGMW34	HMA41GR7MFR4N-TF	
DDR4	17000(2133MHz)	4GB	Register	SK Hynix	ATR34AGMW17	HMA451R7MFR8N-TF	

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HDD CCL

Form Factor	Interface	Bandwidth	Capacity	Rpm	Vendor	Product family	Model	QuantaPN	VendorPN	Note
2.5	SASIII	12 Gb/s	1TB	7.2 Krpm	Seagate	Avenger	ST1000NX0333	AB1000NX003	1FN201-002	
2.5	SASIII	12 Gb/s	600GB	15 Krpm	Seagate	ValkyrieBP	ST600MP0035	AB000600005	1MJ201-003	
2.5	SASIII	12 Gb/s	300GB	15 Krpm	Seagate	ValkyrieBP	ST300MP0035	AB0300MP001	1MG201-003	

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Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	QuantaPN	BBU SuperCap
HHHL	6Gbps	LSISAS2108	8e	RAID 0,1,5,6,10,50,60	512MB	PCI-E X 8	Gen 2	Broadcom	MegaRAID-9280-8E	ADPC2515001	Ibbu08
HHHL	12Gbps	LSISAS3108	8e	RAID 0,1,5,6,10,50,60	1GB	PCI-E X 8	Gen 3	Broadcom	MegaRAID SAS9380-8E	AD002552001	NA

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LAN Card CCL

Form Factor	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	QuantaPN	VendorPN	Note
HHHL	1Gb	RJ45	4 port	Intel	i350-T4 (2)	Intel I350	PCI-E X 4	Gen 2	ADPC0350001	I350T4G2P20	
OCP Mezz	10Gb	RJ45	2 port	Quanta	ON 10GbE X540	Intel X540	PCI-E X 8	Gen 2	37S2SLB0020	37S2SLB0020	
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 57810-QCT	Qlogic 57810	PCI-E X 8	Gen 2	3MS2ZLB0030	3MS2ZLB0030	
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 82599ES-QCT	Intel 82599ES	PCI-E X 8	Gen 2	3JF03MA00D0	3JF03MA00D0	
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE CX3PRO	ConnectX-3 Pro EN	PCI-E X 8	Gen 3	3MS2BLB0000	3MS2BLB0000	
OCP	10Gb	SFP+	1	Quanta	ON	Qlogic	PCI-	Gen	3MS2ZLB0000	3MS2ZLB0000	

Marketing summary report

Mezz			port		10GbE 57811- QCT	57811	E X 8	2		
OCP Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 82599EN- QCT	Intel 82599EN	PCI- E X 8	Gen 2	3JF03MA00C0	3JF03MA00C0
OCP Mezz	1Gb	RJ45	2 port	Quanta	ON 1GbE I350	Intel I350	PCI- E X 4	Gen 2	37S2SLB0010	37S2SLB0010
HHHL	40Gb	QSFP+	2 port	Intel	XL710- QDA2	Intel XL710- BM2	PCI- E X 8	Gen 3	ADPC710Q000	XL710QDA2G1P5

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SSD CCL

Form Factor	Type	Bandwidth	Capacity	NAND Type	Process	Vendor	Product family	QuantaPN	VendorPN	Note
2.5 - 7mm	SATAIII	6Gb/s	800GB	MLC	20nm	Intel	S3500	ABS00800005	NA	
2.5 - 7mm	SATAIII	6Gb/s	800GB	MLC	20nm	Intel	S3700	ABS00800007	NA	
2.5 - 7mm	SATAIII	6Gb/s	600GB	MLC	20nm	Intel	S3500	ABS00600000	NA	
2.5 - 7mm	SATAIII	6Gb/s	480GB	MLC	20nm	Intel	S3500	ABS00480000	NA	
2.5 - 7mm	SATAIII	6Gb/s	300GB	MLC	20nm	Intel	S3500	ABS0300G014	NA	
2.5 - 7mm	SATAIII	6Gb/s	240GB	MLC	20nm	Intel	S3500	ABS00240003	NA	
2.5 - 7mm	SATAIII	6Gb/s	120GB	MLC	20nm	Intel	S3500	ABS00120004	NA	
2.5 - 7mm	SATAIII	6Gb/s	80GB	MLC	20nm	Intel	S3500	ABS0080G031	NA	
145004002	SATAI	6Gb/s	800GB	MLC	20nm	Micron	M500DC	ABSAK800000	MTFDDAK800MBB-1AE1ZABYY	
145004002	SATAIII	6Gb/s	240GB	MLC	20nm	Micron	M500DC	ABSAK240001	MTFDDAK240MBB-1AE1ZABYY	

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