

Quanta Cloud Technology

T22P-4U

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
Red Hat Enterprise Linux 7.6 x86_64 including KVM	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
VMware vSphere 6.7	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Microsoft Windows Server 2019 x86_64 including Hyper-V	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Ubuntu Server 18.04.2 LTS	(QCT Supported)
VMware vSphere 7.0	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Ubuntu Server 20.04 LTS	(QCT Support Planned)
Red Hat Enterprise Linux 8.2 x86_64 including KVM	(QCT Support Planned)

CPU CCL

Model	FSB	QPI Max	Core	Frequency	Watt	QuantaPN	VendorPN	Note
8253	2933	10.4GT/s	16 Core	2.2GHz	125W	AJSRF93UA00	CD8069504194601	
6234	2933	10.4GT/s	8 Core	3.3GHz	130W	AJSRFPN8A01	CD8069504283304	
6230	2933	10.4GT/s	20 Core	2.1GHz	125W	AJSRF8WUA00	CD8069504193701	
6226	2933	10.4GT/s	12 Core	2.7GHz	125W	AJSRFPPSA00	CD8069504283404	
5222	2933	10.4GT/s	Quad	3.8GHz	105W	AJSRF8V8A00	CD8069504193501	
5220	2666	10.4GT/s	18 Core	2.2GHz	125W	AJSRFBJUA00	CD8069504214601	
5218	2666	10.4GT/s	16 Core	2.3GHz	125W	AJSRF8TUA00	CD8069504193301	
5217	2666	10.4GT/s	8 Core	3.0GHz	115W	AJSRFBF8A00	CD8069504214302	
4216	2400	9.6GT/s	16 Core	2.1GHz	100W	AJSRFBBUA00	CD8069504213901	
4215	2400	9.6GT/s	8 Core	2.5GHz	85W	AJSRFBARA00	CD8069504212701	
4214	2400	9.6GT/s	12 Core	2.2GHz	85W	AJSRFB9UA00	CD8069504212601	
4210	2400	9.6GT/s	10 Core	2.2GHz	85W	AJSRFBLLUA00	CD8069503956302	
4208	2400	9.6GT/s	8 Core	2.1GHz	85W	AJSRFBMUA00	CD8069503956401	
3204	2133	9.6GT/s	6 Core	1.9GHz	85W	AJSRFBPUA00	CD8069503956700	

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

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	QuantaPN	VendorPN	Note
DDR4_3DS	21300(2666MHz)	64GB	Register	Samsung	ATR5ZAGR500	M393A8K40B22-CWD7Q	
DDR4	23400(2933MHz)	32GB	Register	Micron	ATR5XAGRL15	MTA36ASF4G72PZ-2G9E2VG	
DDR4	21300(2666MHz)	64GB	Register	Micron	ATR5ZAGRL05	MTA72ASS8G72PSZ-2S6E1	
DDR4	21300(2666MHz)	32GB	Register	Micron	ATR5XAGRL12	MTA36ASF4G72PZ-2G6E1QK	
DDR4	21300(2666MHz)	32GB	Register	Samsung	ATR5XAGR507	M393A4K40CB2-CTD7Q	
DDR4	21300(2666MHz)	32GB	Register	SK Hynix	ATR5XAGRW21	HMA84GR7CJR4N-VK	

DDR4	21300(2666MHz)	16GB	Register	Micron	ATR5GAGRL20	MTA18ASF2G72PDZ-2G6E1QI
DDR4	21300(2666MHz)	16GB	Register	Samsung	ATR5GAGR507	M393A2K40CB2-CTD7Q
DDR4	21300(2666MHz)	16GB	Register	SK Hynix	ATR5GAGRW13	HMA82GR7CJR4N-VK
DDR4_3DS	21300(2666MHz)	64GB	Register	SK Hynix	ATR5ZAGRW00	HMAA8GR7A2R4N-VN

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*Maximum memory frequency running on the platform, please refer to CPU FSB and supported memory population

HDD CCL

Form Factor	Interface	Bandwidth	Capacity	Rpm	Vendor	Product family	Model	QuantaPN	VendorPN	Note
3.5	SASIII	12 Gb/s	14TB	7.2 Krpm	Seagate	MobulaBP	ST14000NM0048	AB14000N007	2H4201-002	
3.5	SATAIII	6 Gb/s	14TB	7.2 Krpm	Seagate	MobulaBP	ST14000NM0018	AB14000N008	2H4101-002	
3.5	SATAIII	6 Gb/s	12TB	7.2 Krpm	Seagate	MobulaBP	ST12000NM0008	AB12000N006	2H3101-002	
3.5	SATAIII	6 Gb/s	10TB	7.2 Krpm	Seagate	MobulaBP	ST10000NM0478	AB10000N012	2H7100-002	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	Toshiba	Magnum	MG06ACA800E	AB00800E004	HDEPV11GEA51	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	WD	Vela-AP	HUS728T8TALE6L4	AB0728T8003	OB36404	

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Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	QuantaPN	BBU SuperCap
HHHL	12Gbps	LSISAS3108	8i	RAID 0,1,5,6,10,50,60	1GB	PCI-EX 8	Gen 3	Broadcom	MegaRAID SAS9361-8i	AD002542024	CVFM04/CVPM04
HHHL	12Gbps	SAS3008	8i	JBOD	NA	PCI-EX 8	Gen 3	Broadcom	SAS 9300-8i	ADPC2557000	NA
HHHL	12Gbps	SAS3516	16i	RAID 0,1,5,6,10,50,60	4G	PCI-EX 8	Gen 3	Broadcom	MegaRAID 9460-16i	AD005001001	CVPM05

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LAN Card CCL

Form Factor	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	QuantaPN	VendorPN	Note
HHHL	40Gb	QSFP+	1 port	Intel	XL710-QDA1	Intel XL710-AM1	PCI-EX 8	Gen 3	ADPC0710005	EXL710QDA1G1P5	
HHHL	25Gb	SFP28	2 port	Broadcom	P225p	BCM 57414	PCI-EX 8	Gen 3	ADPC9574003	BCM957414A4142CC	
HHHL	25Gb	SFP28	2 port	MELLANOX	CX512F	ConnectX-5 EN	PCI-EX 16	Gen 3	ADPC0512002	MCX512F-ACAT	
HHHL	10Gb	RJ45	2 port	Intel	X550-T2	Intel X550	PCI-EX 4	Gen 3	ADPCX550000	X550T2G1P5	
HHHL	10Gb	SFP+	2 port	Broadcom	P210p	BCM 57412	PCI-EX 8	Gen 3	ADPC9574014	BCM957412A4120AC	
HHHL	10Gb	SFP+	2 port	Intel	X710-DA2	Intel X710-AM2	PCI-EX 8	Gen 3	ADPC0710007	EX710DA2G1P5	
HHHL	1Gb	RJ45	4	Intel	I350-	Intel I350	PCI-	Gen	ADPC0350001	I350T4G2P20	

port T4v2 E X 2
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PSU CCL

Power Capacity	Type	Efficiency	Dimension(mm)	240VDC	Cold redundancy	QuantaPN	VendorPN	Note
1200W	Redundant	Platinum	86*196*40	Yes	Yes	AFC00F00011	MC1200B4-3-4R-02	

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SSD CCL

Form Factor	Type	Bandwidth	Capacity	NAND Type	Process	Vendor	Product family	QuantaPN	VendorPN	Note
Daughter card	PCI-e	Gen3 X4	512GB	3D_TLC	NA	Micron	2200	ABSBA512009	MTFDHBA512TCK-1AS1AABYY	
Daughter card	PCI-e	Gen3 X4	256GB	3D_TLC	NA	Micron	2200	ABSBA256005	MTFDHBA256TCK-1AS1AABYY	
Daughter card	SATAIII	6Gb/s	480GB	3D_TLC	NA	Intel	S4510	ABS480G8004	NA	
Daughter card	SATAIII	6Gb/s	240GB	3D_TLC	NA	Intel	S4510	ABS240G8012	NA	
2.5 - 7mm	SATAIII	6Gb/s	3.84TB	3D_TLC	N/A	Samsung	PM883	ABS3T8HM011	MZ7LH3T8HMLT-00005	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	3D_TLC	N/A	Samsung	PM883	ABS1T9HM017	MZ7LH1T9HMLT-00005	
2.5 - 7mm	SATAIII	6Gb/s	960GB	3D_TLC	N/A	Samsung	PM883	ABS960HA010	MZ7LH960HAJR-00005	
2.5 - 7mm	SATAIII	6Gb/s	960GB	3D_TLC	NA	Intel	S4510	ABS960G8001	NA	
2.5 - 7mm	SATAIII	6Gb/s	960GB	3D_TLC	NA	Intel	S4610	ABS960G8000	NA	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	N/A	Samsung	PM883	ABS480HA008	MZ7LH480HAHQ-00005	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	NA	Intel	S4510	ABS480G8000	NA	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	NA	Intel	S4610	ABS480G8001	NA	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	N/A	Samsung	PM883	ABS240HA007	MZ7LH240HAHQ-00005	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	NA	Intel	S4510	ABS240G8000	NA	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	NA	Intel	S4610	ABS240G8001	NA	
2.5 - 15mm	PCI-e	Gen3 X4	3.2TB	3D_TLC	NA	Intel	P4610	ABS032T8000	NA	
2.5 - 15mm	PCI-e	Gen3 X4	2TB	3D_TLC	NA	Intel	P4510	ABS020T8005	NA	
2.5 - 15mm	PCI-e	Gen3 X4	1.6TB	3D_TLC	NA	Intel	P4610	ABS016T8000	NA	
2.5 - 15mm	PCI-e	Gen3 X4	1TB	3D_TLC	NA	Intel	P4510	ABS010T8022	NA	
Daughter card	SATAIII	6Gb/s	480GB	3D_TLC	20nm	Micron	5100 ECO	ABSAV480003	MTFDDAV480TBY-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	3D_TLC	NA	Micron	5200 PRO	ABSAK1T9003	MTFDDAK1T9TDD-1AT1ZABYY	

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TPM CCL

Model	QuantaPN	VendorPN	Note
NA	3TS3ATB0060	3TS3ATB0060	

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