

Quanta Cloud Technology

SD1Q-1ULH

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, including Hyper-V	(QCT Tested: Either OS or hypervisor successfully installed)
Microsoft Windows Server 2012 R2, including Hyper-V	(QCT Supported)
Ubuntu Server 12.04.4	(QCT Tested: Either OS or hypervisor successfully installed)
Microsoft Windows Server 2016 , including Hyper-V	(QCT Support Planned)
Ubuntu Server 14.04.5 (LTS)	(QCT Support Planned)
Red Hat Enterprise Linux 7.4 X86_64 including KVM	(QCT Support Planned)

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	QuantaPN	VendorPN	Note
DDR4	19200(2400MHz)	32GB	Register	Samsung	ATR5XAGR505	M393A4K40CB1-CRC4Q	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR522	M393A2K40CB1-CRC4Q	
DDR4	17000(2133MHz)	16GB	Register	Micron	ATR3GAGML18	MTA36ASF2G72PZ-2G1A2	
DDR4	17000(2133MHz)	16GB	Register	Samsung	ATR3GAGM513	M393A2G40DB0-CPB	
DDR4	17000(2133MHz)	8GB	Register	Micron	ATR38AGML26	MTA18ASF1G72PZ-2G1A2	
DDR4	17000(2133MHz)	8GB	Register	Samsung	ATR38AGM534	M393A1G40DB0-CPB	

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

HDD CCL

Form Factor	Interface	Bandwidth	Capacity	Rpm	Vendor	Product family	Model	QuantaPN	VendorPN	Note
3.5	SASIII	12 Gb/s	6TB	7.2 Krpm	Seagate	MakaraBP	ST6000NM0095	AB6000NM025	1Y210-004	
3.5	SATAIII	6 Gb/s	12TB	7.2 Krpm	HGST	Leo-A He 12	HUH721212ALE600	AB721212000	0F30144	
3.5	SATAIII	6 Gb/s	10TB	7.2 Krpm	HGST	Libra-He10	HUH721010ALE600	AB721010065	0F27452	
3.5	SATAIII	6 Gb/s	10TB	7.2 Krpm	Toshiba	Magnum	MG06ACA10TE	AB0010TE000	HDEPV10GEA51	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	HGST	Libra-He10	HUH721008ALE600	AB721008003	0F27455	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	Seagate	Makara Plus	ST8000NM0055	AB8000NM006	1RM112-104	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	Seagate	Makara Plus	ST8000NM0055	AB8000NM007	1RM112-004	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	Seagate	Terascale V2	ST8000NC0002	AB8000NC000	1XX112-004	
3.5	SATAIII	6 Gb/s	8TB	5.9 Krpm	Seagate	Lamarr	ST8000AS0002	AB008000001	1NA17Z-001	
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	Seagate	MakaraBP	ST6000NM0115	AB6000NM019	1Y2110-004	
3.5	SATAIII	6 Gb/s	4TB	7.2	Seagate	MakaraBP	ST4000NM0035	AB4000NM027	1V4107-004	

7/8/2018				Marketing summary report					
				Krpm					
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Toshiba	Tomcat	MG04ACA400E	AB00400E000	HDEPR11GEA51
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	Toshiba	Tomcat	MG04ACA200E	AB000200009	HDEPR13GEA51
2.5	SASIII	12 Gb/s	900GB	10 Krpm	Toshiba	AL14SE Lite	AL14SEB090N	AB000090000	HDEBF02GEA51
3.5	SASIII	12 Gb/s	6TB	7.2 Krpm	Seagate	Makara	ST6000NM0034	AB6000NM002	1HT27Z-001
3.5	SASIII	12 Gb/s	4TB	7.2 Krpm	Seagate	Makara	ST4000NM0034	AB4000NM011	1HT278-001
3.5	SASIII	12 Gb/s	2TB	7.2 Krpm	Seagate	Makara	ST2000NM0034	AB2000NM021	1HT274-001
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	HGST	Aries-HC8	HUH728080ALAE600	AB728080001	0F23267
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	HGST	Aries-HC6	HUS726060ALA640	AB726060000	0F18335
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	Seagate	Makara	ST6000NM0024	AB6000NM000	1HT17Z-001
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	HGST	Mars-KP	HUS724040ALA640	AB724040002	0F14688
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Seagate	Makara	ST4000NM0024	AB4000NM010	1HT178-001
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Seagate	Megalodon	ST4000NM0033	AB4000NM008	9ZM170-005
3.5	SATAIII	6 Gb/s	4TB	5.7 Krpm	HGST	NA	HMS5C4040ALE640	-	0F19847
3.5	SATAIII	6 Gb/s	3TB	7.2 Krpm	HGST	Mars-KP	HUS724030ALA640	AB724030000	0F14689
3.5	SATAIII	6 Gb/s	3TB	7.2 Krpm	Seagate	Megalodon	ST3000NM0033	AB3000NM007	9ZM178-005
3.5	SATAIII	6 Gb/s	3TB	7.2 Krpm	Seagate	SV35	ST3000VX000	-	1CU166-500
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	HGST	Mars-KP	HUS724020ALA640	AB724020002	0F14690
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	Seagate	Surveillance	ST2000VX000	AB2000VX000	1CU164-500
3.5	SATAIII	6 Gb/s	2TB	7.2 Krpm	Toshiba	Harrier	MG03ACA200	AB000200002	HDEPQ02GEA51
2.5	SASIII	12 Gb/s	1.8TB	10 Krpm	HGST	Cobra F	HUC101818CS4200	AB101818000	0B27978
*Grayed-out items: to be EOL soon or already EOL									

Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	QuantaPN	BBU SuperCap
Mezz	12Gbps	LSI3108	8i	RAID 0,1,5,10,50	1GB	PCI-E X 8	Gen 3	Quanta	QS-3108-R5-PD32	35S2BMA0050	CVFM03/CVPM02 or CVPM03
Mezz	12Gbps	LSISAS3008	8i	RAID 0,1,1E,10	NA	PCI-E X 8	Gen 3	Quanta	QS-3008-8i-IR	35S2BMA0000	NA
Mezz	12Gbps	LSISAS3108	8i	RAID 0,1,5,6,10,50,60	1GB	PCI-E X 8	Gen 3	Quanta	QS-3108-R6-PD32	35S2BMA0060	CVFM03/CVPM02 or CVPM03
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LAN Card CCL

Form	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	QuantaPN	VendorPN	Note
https://www.qct.io/microsite/ccl/SD1Q-1ULH.html											

Factor

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+	1 port	Quanta	ON 10GbE 82599EN-QCT	Intel 82599EN	PCI-E X 8	Gen 2	3JF03MA00C0	3JF03MA00C0

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PSU CCL

Power Capacity	Type	Efficiency	Dimension(mm)	240VDC	Cold redundancy	QuantaPN	VendorPN	Note
400W	Redundant	Platinum	54.5*220*40	Yes	Yes	AF400B00023	YM-2401QBR	
400W	Redundant	Platinum	54.5*220*40	Yes	Yes	AF400B00019	FSE028-930G	

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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	1TB	3D_TLC	NA	Intel	P3100	ABS010T7009	NA	
Daughter card	PCI-e	Gen3 X4	512GB	3D_TLC	NA	Intel	P3100	ABS512G7005	NA	
Daughter card	PCI-e	Gen3 X4	256GB	3D_TLC	NA	Intel	P3100	ABS256G7002	NA	
Daughter card	PCI-e	Gen3 X4	128GB	3D_TLC	NA	Intel	P3100	ABS128G7007	NA	
Daughter card	SATAIII	6Gb/s	256GB	3D_TLC	NA	Intel	S3110	ABS256G8003	NA	
2.5 - 7mm	SATAIII	6Gb/s	3.84TB	TLC	3D NAND	Micron	5100 PRO	ABS3T8TC000	MTFDDAK3T8TCB-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	3D_TLC	20nm	Micron	5100 MAX	ABS1T9TC000	MTFDDAK1T9TCC-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS81Q92000	THNSN81Q92CSE	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	TLC	20nm	Micron	5100 PRO	ABSAK1T9000	MTFDDAK1T9TCB-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	1.6TB	eMLC	15nm	Toshiba	Hawk-M4	ABS81Q60000	THNSN81Q60CSE	
2.5 - 7mm	SATAIII	6Gb/s	960GB	3D_TLC	20nm	Micron	5100 MAX	ABS00960008	MTFDDAK960TCC-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	NA	Micron	5100 MAX	ABSAK480010	MTFDDAK480TCC-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	480GB	cMLC	20nm	Micron	5100 PRO	ABSAK480011	MTFDDAK480TCB-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	480GB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS08480000	THNSN8480PCSE	
2.5 - 7mm	SATAIII	6Gb/s	400GB	eMLC	15nm	Toshiba	Hawk-M4	ABS08400000	THNSN8400PCSE	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	20nm	Micron	5100 MAX	ABSAK240005	MTFDDAK240TCC-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	20nm	Micron	5100 PRO	ABSAK240004	MTFDDAK240TCB-1AR1ZABYY	
2.5 - 7mm	SATAIII	6Gb/s	240GB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS08240000	THNSN8240PCSE	
2.5 - 7mm	SATAIII	6Gb/s	200GB	eMLC	15nm	Toshiba	Hawk-M4	ABS08200000	THNSN8200PCSE	
2.5 - 7mm	SATAIII	6Gb/s	120GB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS08120000	THNSN8120PCSE	

Daughter card	PCI-e	Gen2 X4	480GB	MLC	NA	Lite-On	EP1	ABS00480008	NA
2.5 - 7mm	SATAIII	6Gb/s	3.84TB	VNAND	NA	Samsung	PM863a	ABS3T8HM002	MZ7LM3T8HMLP-00005
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	MLC	20nm	Samsung	SM863a	ABS1T9HM003	MZ7KM1T9HMJP-00005
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	VNAND	NA	Samsung	PM863a	ABS1T9HM001	MZ7LM1T9HMJP-00005
2.5 - 7mm	SATAIII	6Gb/s	1.6TB	eMLC	16nm	Intel	S3510	ABS016T6000	NA
2.5 - 7mm	SATAIII	6Gb/s	1.2TB	eMLC	16nm	Intel	S3510	ABS012T6001	NA
2.5 - 7mm	SATAIII	6Gb/s	1TB	cMLC	A19nm	Toshiba	HG6Y	ABS1T02C000	THNSNJ1T02CSX
2.5 - 7mm	SATAIII	6Gb/s	960GB	VNAND	NA	Samsung	PM863a	ABS960HM010	MZ7LM960HMJP-00005
2.5 - 7mm	SATAIII	6Gb/s	800GB	eMLC	16nm	Intel	S3510	ABS00800011	NA
2.5 - 7mm	SATAIII	6Gb/s	512GB	cMLC	A19nm	Toshiba	HG6Y	ABS512GC000	THNSNJ512GCSU
2.5 - 7mm	SATAIII	6Gb/s	480GB	eMLC	16nm	Intel	S3510	ABS0480G004	NA
2.5 - 7mm	SATAIII	6Gb/s	480GB	TLC	NA	Samsung	PM853T	ABS480HM001	MZ7GE480HMHP-00003
2.5 - 7mm	SATAIII	6Gb/s	480GB	VNAND	NA	Samsung	PM863a	ABS480HM004	MZ7LM480HMHQ-00005
2.5 - 7mm	SATAIII	6Gb/s	256GB	cMLC	A19nm	Toshiba	HG6Y	ABS0256G118	THNSNJ256GCSU
2.5 - 7mm	SATAIII	6Gb/s	240GB	eMLC	16nm	Intel	S3510	ABS0240G003	NA
2.5 - 7mm	SATAIII	6Gb/s	240GB	TLC	NA	Samsung	PM853T	ABS240HM001	MZ7GE240HMGR-00003
2.5 - 7mm	SATAIII	6Gb/s	240GB	VNAND	NA	Samsung	PM863a	ABS240HM004	MZ7LM240HMHQ-00005
2.5 - 7mm	SATAIII	6Gb/s	128GB	cMLC	A19nm	Toshiba	HG6Y	ABS0128G112	THNSNJ128GCSU
2.5 - 7mm	SATAIII	6Gb/s	128GB	MLC	15nm	Toshiba	HG6Z	ABS128GC000	THNSNJ128GCSY
2.5 - 7mm	SATAIII	6Gb/s	120GB	eMLC	16nm	Intel	S3510	ABS0120G017	NA
2.5 - 7mm	SATAIII	6Gb/s	80GB	eMLC	16nm	Intel	S3510	ABS0080G033	NA

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