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Quanta Cloud Technology

T41SP-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
Microsoft Windows Server 2012 , including Hyper-V	(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)
Red Hat Enterprise Linux 7.2 X86_64 including KVM	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Microsoft Windows Server 2012 R2, including Hyper-V	(OS Partner Certified:QCT validated all possible hardware configurations with this OS)
Ubuntu Server 14.04.2(LTS)	(QCT Support Planned)
VMware vSphere 5.5 (ESXi 5.5u3b) Update 3	(QCT Support Planned)
Ubuntu Server 16.04 (LTS)	(QCT Support Planned)
Microsoft Windows Server 2016 , including Hyper-V	(QCT Support Planned)

CPU CCL

Model	FSB	QPI Max	Core	Frequency	Watt	QuantaPN	VendorPN	Note
E5-2699 v4	2400	9.6GT/s	22 Core	2.2GHz	145W	AJSR2JSUA00	CM8066002022506	
E5-2698 v4	2400	9.6GT/s	20 Core	2.2GHz	135W	AJSR2JWUA00	CM8066002024000	
E5-2697A v4	2400	9.6GT/s	16 Core	2.6GHz	145W	AJSR2K1QA00	CM8066002645900	
E5-2697 v4	2400	9.6GT/s	18 Core	2.3GHz	145W	AJSR2JVUA00	CM8066002023907	
E5-2695 v4	2400	9.6GT/s	18 Core	2.1GHz	120W	AJSR2J1UA00	CM8066002023801	
E5-2690 v4	2400	9.6GT/s	14 Core	2.6GHz	135W	AJSR2N2QA00	CM8066002030908	
E5-2683 v4	2400	9.6GT/s	16 Core	2.1GHz	120W	AJSR2JTUA00	CM8066002023604	
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	
E5-2660 v4	2400	9.6GT/s	14 Core	2.0GHz	105W	AJSR2N4UA00	CM8066002031201	
E5-2650L v4	2400	9.6GT/s	14 Core	1.7GHz	65W	AJSR2N8VA00	CM8066002033006	
E5-2650 v4	2400	9.6GT/s	12 Core	2.2GHz	105W	AJSR2N3UA00	CM8066002031103	
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	
E5-2630L v4	2133	8.0GT/s	10 Core	1.8GHz	55W	AJSR2P2UA00	CM8066002033202	
E5-2630 v4	2133	8.0GT/s	10 Core	2.2GHz	85W	AJSR2R7UA00	CM8066002032301	
E5-2623 v4	2133	8.0GT/s	Quad	2.6GHz	85W	AJSR2PJQA00	CM8066002402400	
E5-2620 v4	2133	8.0GT/s	8 Core	2.1GHz	85W	AJSR2R6UA00	CM8066002032201	
E5-2609 v4	1866	6.4GT/s	8 Core	1.7GHz	85W	AJSR2P1VA00	CM8066002032901	
E5-2603 v4	1866	6.4GT/s	6 Core	1.7GHz	85W	AJSR2P0VA00	CM8066002032805	
E5-2699 v3	2133	9.6GT/s	18 Core	2.3GHz	145W	AJSR1XDUA00	CM8064401739300	
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	AJSR1YAUA00	CM8064401723701
E5-2640 v3	1866	8.0GT/s	8 Core	2.6GHz	90W	AJSR205QA00	CM8064401830901
E5-2630L v3	1866	8.0GT/s	8 Core	1.8GHz	55W	AJSR209UA00	CM8064401832100
E5-2630 v3	1866	8.0GT/s	8 Core	2.4GHz	85W	AJSR206UA00	CM8064401831000
E5-2623 v3	1866	8.0GT/s	Quad	3.0GHz	105W	AJSR2088A00	CM8064401832000
E5-2620 v3	1866	8.0GT/s	6 Core	2.4GHz	85W	AJSR207UA00	CM8064401831400
E5-2609 v3	1600	6.4GT/s	6 Core	1.9GHz	85W	AJSR1YCUA00	CM8064401850800
E5-2603 v3	1866	6.4GT/s	6 Core	1.6GHz	85W	AJSR20AVA00	CM8064401844200

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

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	QuantaPN	VendorPN	Note
DDR4_LR	19200(2400MHz)	64GB	Register	Samsung	ATR5ZAGL500	M386A8K40BM1-CRC	
DDR4	21300(2666MHz)	32GB	Register	Micron	ATR5XAGRL02	MTA36ASF4G72PZ-2G6D1QG	
DDR4	19200(2400MHz)	32GB	Register	Micron	ATR3XAGRL00	MTA36ASF4G72PZ-2G3B1RG	
DDR4	19200(2400MHz)	32GB	Register	Samsung	ATR5XAGR505	M393A4K40CB1-CRC4Q	
DDR4	19200(2400MHz)	32GB	Register	Samsung	ATR3XAGR503	M393A4K40BB1-CRC	
DDR4	19200(2400MHz)	32GB	Register	SK Hynix	ATR5XAGRW03	HMA84GR7AFR4N-UH	
DDR4	19200(2400MHz)	16GB	Register	Micron	ATR3GAGRL00	MTA18ASF2G72PZ-2G3B1QK	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR507	M393A2K40BB1-CRC	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR508	M393A2K43BB1-CRC	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR522	M393A2K40CB1-CRC4Q	
DDR4	19200(2400MHz)	16GB	Register	SK Hynix	ATR5GAGRW00	HMA82GR7AFR8N-UH	
DDR4	19200(2400MHz)	16GB	Register	SK Hynix	ATR3GAGRW05	HMA82GR7AFR4N-UH	
DDR4	17000(2133MHz)	32GB	Register	Samsung	ATR3XAGR505	M393A4K40BB0-CPB	
DDR4	17000(2133MHz)	16GB	Register	Samsung	ATR3GAGM538	M393A2K40BB0-CPB	
DDR4	21300(2666MHz)	32GB	Register	Micron	ATR5XAGRL06	MTA36ASF4G72PZ-2G6H1QG	
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

Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	QuantaPN	BBU SuperCap	Ven
Mezz	12Gbps	LSISAS3008	8i	RAID 0,1,1E,10	NA	PCI-E X 8	Gen 3	Quanta	QS-3008-8i-IR-V2	38S2SMA0040	NA	38S
Mezz	12Gbps	LSISAS3108	8i	RAID 0,1,5,10,50	2G	PCI-E X 8	Gen 3	Quanta	QS-3108-R5-PD32 2G	38S2SMA0060	CVFM03/CVPM02 or CVPM03	38S

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

LAN Card CCL

Form Factor	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	QuantaPN	VendorPN	Note
HHHL	10Gb	RJ45	2 port	Intel	X540-T2	Intel X540	PCI-E X 8	Gen 2	ADPC0540000	X540T2G1P5	
HHHL	10Gb	SFP+	2 port	Intel	X520-DA2	Intel 82599ES	PCI-E X 8	Gen 2	ADPC0042000	E10G42BTDAG1P5	
Mezz	56Gb	QSFP	2 port	Quanta	QN 56G IB CX3	ConnectX-3 VPI	PCI-E X 8	Gen 3	36S4ELB0030	36S4ELB0030	
Mezz	40Gb	QSFP	2 port	Quanta	QN 40G IB CX3	ConnectX-3 VPI	PCI-E X 8	Gen 3	36S4ELB0000	36S4ELB0000	
Mezz	40Gb	QSFP	2 port	Quanta	QN 40GbE CX3	ConnectX-3 EN	PCI-E X 8	Gen 3	36S4ELB0010	36S4ELB0010	
Mezz	10Gb	RJ45	2 port	Quanta	QN 10GbE X540	Intel X540	PCI-E X 8	Gen 2	32S2KMB0010	32S2KMB0010	
Mezz	10Gb	SFP+	2 port	Quanta	QN 10GbE 82599ES Combo-All	Intel 82599ES	PCI-E X 8	Gen 2	35S2EMA0070	35S2EMA0070	
OCP Mezz	10Gb	RJ45	2 port	Quanta	ON 10GbE X540-8mm	Intel X540	PCI-E X 8	Gen 2	37S2SLB0070	37S2SLB0070	
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	
OCP Mezz	1Gb	RJ45	2 port	Quanta	ON 1GbE I350	Intel I350	PCI-E X 8	Gen 2	37S2SLB0010	37S2SLB0010	

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

DOM CCL

Size	Vendor	QuantaPN	VendorPN	Note
64GB	INNODISK	ADF064GD002	DESSV-64GD09SWADC-A91	
32GB	INNODISK	ADF032GD006	DESSV-32GD09SW1SC-A91	
32GB	Techcomp	ADF032GM005	SD133H-032GM-SM-A	
16GB	Techcomp	ADF016GM005	SD133H-016GM-SM-A	
8GB	Techcomp	ADF008GM005	SD133H-008GM-SM-A	

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

**SATADOM is best designed for read-intensive applications, such as boot image storage.
Given its small capacity in general, using SATADOM for write-intensive applications, such as caching or as virtual memory (e.g., pagefile or swap partition), may result in high DWPD (Disk Write per Day). That may seriously shorten the life cycle of your SATADOM.
Check the FAQ on our website to learn more about how to set up virtual memory on your systems.

Flash Disk CCL

Vendor	Model	QuantaPN	VendorPN	Type	Size	Speed	Note
INNODISK	DEUH1-08GI72AW1SC-A91	ADF08GI7001	DEUH1-08GI72AW1SC-A91	Standard USB	8GB	USB 2.0	
INNODISK	DEUH1-16GI72AW1SC-A91	ADF16GI7001	DEUH1-16GI72AW1SC-A91	Standard USB	16GB	USB 2.0	

INNODISK	DEUH1-32GI72AW1SC-A91	ADF32GI7001	DEUH1-32GI72AW1SC-A91	Standard USB	32GB	USB 2.0

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

PSU CCL

Power Capacity	Type	Efficiency	Dimension(mm)	240VDC	Cold redundancy	QuantaPN	VendorPN	Note
1600W	Redundant	Platinum	86*196*40	Yes	Yes	AFG00F00031	FSE023-930G REV:06	
1600W	Redundant	Platinum	86*196*40	Yes	Yes	AFG00F00029	PS-2162-1Q-LF REV:02	

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

SSD CCL

Form Factor	Type	Bandwidth	Capacity	NAND Type	Process	Vendor	Product family	QuantaPN	VendorPN	Note
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	3D_TLC	20nm	Intel	S4500	ABS019T7000	NA	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS81Q92000	THNSN81Q92CSE	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	MLC	20nm	Samsung	SM863a	ABS1T9HM003	MZ7KM1T9HMJP-00005	
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	Intel	S4600	ABS960G7007	NA	
2.5 - 7mm	SATAIII	6Gb/s	960GB	3D_TLC	NA	Intel	S4500	ABS960G7006	NA	
2.5 - 7mm	SATAIII	6Gb/s	960GB	eMLC	15nm	Toshiba	Hawk-M4Rz	ABS08960000	THNSN8960PCSE	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	NA	Intel	S4500	ABS480G7007	NA	
2.5 - 7mm	SATAIII	6Gb/s	480GB	3D_TLC	NA	Intel	S4600	ABS480G7008	NA	
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	NA	Intel	S4500	ABS240G7009	NA	
2.5 - 7mm	SATAIII	6Gb/s	240GB	3D_TLC	NA	Intel	S4600	ABS240G7010	NA	
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	
2.5 - 15mm	PCI-e	Gen3 X4	4TB	3D NAND MLC	1x nm	Intel	P4500	ABS040T7001	NA	
2.5 - 15mm	PCI-e	Gen3 X4	1.6TB	3D_TLC	NA	Intel	P4600	ABS016T7003	NA	
2.5 - 15mm	PCI-e	Gen3 X4	1TB	3D NAND MLC	1x nm	Intel	P4500	ABS010T7002	NA	
2.5 - 7mm	SATAIII	6Gb/s	1.6TB	MLC	3D NAND MLC	Intel	S3520	ABS016T7000	SSDSC2BB016T701	
2.5 - 7mm	SATAIII	6Gb/s	1.2TB	MLC	3D NAND MLC	Intel	S3520	ABS012T7008	SSDSC2BB012T701	

2.5 - 7mm	SATAIII	6Gb/s	480GB	MLC	3D NAND MLC	Intel	S3520	ABS480G7002	SSDSC2BB480G701
2.5 - 7mm	SATAIII	6Gb/s	240GB	MLC	3D NAND MLC	Intel	S3520	ABS240G7002	SSDSC2BB240G701
2.5 - 15mm	PCI-e	Gen3 X4	2TB	MLC HET	20nm	Intel	P3700	ABS0020T000	NA
2.5 - 15mm	PCI-e	Gen3 X4	800GB	MLC	20nm	Intel	P3600	ABS0800G005	NA
2.5 - 15mm	PCI-e	Gen3 X4	400GB	MLC	20nm	Intel	P3600	ABS0400G008	NA

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

TPM CCL

Model	QuantaPN	VendorPN	Note
NA	3PS2BTB0020	3PS2BTB0020	

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