

Quanta Cloud Technology

D51PL-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
Microsoft Windows Server 2012 R2, including Hyper-V	(QCT Tested: Either OS or hypervisor successfully installed)
Microsoft Windows Server 2008 R2 X86_64, with SP1, Enterprise Edition , including Hyper-V	(QCT Tested: Either OS or hypervisor successfully installed)
Novell SUSE Linux Enterprise Server 11 SP3 X86_64 including Xen	(QCT Tested: Either OS or hypervisor successfully installed)
Red Hat Enterprise Linux 7.2 X86_64 including KVM	(QCT Tested: Either OS or hypervisor successfully installed)
VMware vSphere 6.0 (ESXi 6.0 u1b)	(QCT Tested: Either OS or hypervisor successfully installed)
Ubuntu Server 14.04.3	(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
E5-2698 v4	2400	9.6GT/s	20 Core	2.2GHz	135W	AJSR2JWUA00	CM8066002024000	
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	
E5-2698 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	

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E5-2650 v3	2133	9.6GT/s	10 Core	2.3GHz	105W	AJSR1YAUAA00	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	AJSR1YCUAA00	CM8064401850800	
E5-2603 v3	1866	6.4GT/s	6 Core	1.6GHz	85W	AJSR20AVAA00	CM8064401844200	

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

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	QuantaPN	VendorPN	Note
DDR4	19200(2400MHz)	32GB	Register	Samsung	ATR3XAGR503	M393A4K40BB1-CRC	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR508	M393A2K43BB1-CRC	
DDR4	19200(2400MHz)	16GB	Register	Samsung	ATR3GAGR507	M393A2K40BB1-CRC	
DDR4	19200(2400MHz)	32GB	Register	Micron	ATR3XAGRL05	MTA36ASF4G72PZ-2G3A1	
DDR4	19200(2400MHz)	16GB	Register	Micron	ATR3GAGRL06	MTA18ASF2G72PZ-2G3A1	
DDR4	19200(2400MHz)	8GB	Register	Micron	ATR38AGRL00	MTA9ASF1G72PZ-2G3A1	
DDR4	17000(2133MHz)	32GB	Register	SK Hynix	ATR3XAGRW02	HMA84GR7MFR4N-TF	
DDR4	17000(2133MHz)	16GB	Register	Samsung	ATR3GAGM513	M393A2G40DB0-CPB	
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	8TB	7.2 Krpm	Seagate	Makara Plus	ST8000NM0075	AB008000006	1RM212-002	
3.5	SATAIII	6 Gb/s	12TB	7.2 Krpm	HGST	Leo-A He 12	HUH721212ALE600	AB721212000	0F30144	
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	Makara Plus	ST8000NM0055(Power Balance)	AB008000002	1RM112-101	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	Seagate	Terascale V2	ST8000NC0002	AB008000007	1XX112-002	
3.5	SATAIII	6 Gb/s	8TB	5.9 Krpm	Seagate	Lamarr Archive SMR	ST8000AS0002	AB008000001	1NA17Z-004	
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	Seagate	MakaraBP	ST6000NM0115	AB6000NM019	1YZ110-004	
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Seagate	MakaraBP	ST4000NM0035	AB4000NM027	1V4107-004	
3.5	SATAIII	6 Gb/s	4TB	7.2 Krpm	Toshiba	Tomcat	MG04ACA400E	AB00400E000	HDEPR11GEA51	
3.5	SASIII	12 Gb/s	8TB	7.2 Krpm	HGST	Aries He8	HUH728080AL5200	AB728080004	0F23268	
3.5	SASIII	12 Gb/s	6TB	7.2 Krpm	HGST	Aries He8	HUH728060AL5200	AB728060001	0F23270	
3.5	SATAIII	6 Gb/s	8TB	7.2 Krpm	HGST	Aries He8	HUH728080ALE600	AB728080001	0F23267	
3.5	SATAIII	6 Gb/s	6TB	7.2 Krpm	HGST	Aries-KP	HUS726060ALE610	AB726060002	0F23001	

*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 SuperC
Mezz	12Gbps	LSI3108	8i	RAID 0,1,5,6,10,50,60	1GB	PCI-E X 8	Gen 3	Quanta	QS-3108-R6-PD240	35S2BMA0070	CVFM03/CV 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	LSISAS3008	8i	NA	NA	PCI-E X 8	Gen 3	Quanta	QS-3008-8i-IT	35S2BMA0080	NA
NA	6Gb	FOR_SAS2208	NA	NA	NA	NA	NA	Broadcom	MegaRAID CacheCade Pro 2.0	AD002518002	NA

*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	40Gb	QSFP+	1 port	Intel	XL710-QDA1 v2	Intel XL710-AM2	PCI-E X 8	Gen 3	ADPC0710001	XL710QDA1G2P5	
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	
HHHL	1Gb	RJ45	4 port	Intel	i350-T4 v2	Intel I350	PCI-E X 4	Gen 2	ADPC0350001	I350T4G2P20	
Mezz	40Gb	QSFP	1 port	Quanta	ON 40GbE CX3PRO EN	ConnectX-3 Pro EN	PCI-E X 8	Gen 3	35S2BMA0090	35S2BMA0090	
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 Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 82599EN-QCT	Intel 82599EN	PCI-E X 8	Gen 2	3JF03MA00C0	3JF03MA00C0	

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

InfiniBand Card CCL

Shape	MaxLink_Bankwidth	Connector	Port	Chip	Bus	Gen	Vendor	Model	QuantaPN	VendorPN	Note
HHHL	FDR	QSFP28	2	ConnectX-4 VPI	PCI-E X16	Gen 3	MELLANOX	CX456A	ADPC456A000	MCX456A-FCAT	
HHHL	EDR	QSFP28	2	ConnectX-4 VPI	PCI-E X16	Gen 3	MELLANOX	CX456A	ADPC456A001	MCX456A-ECAT	

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

Cache module CCL

Marketing summary report

Type	Capacity	Generation	Form Factor	Process	NAND Type	Vendor	Product family	QuantaPN	VendorPN	Note
PCI-E X4	1.2TB	Gent 3	HHHL PCIe	20nm	MLC	Intel	P3500	ABS012T4010	SSDPEDMX012T401	
PCI-E X4	400G	Gent 3	HHHL PCIe	20nm	MLC	Intel	P3500	ABS0400G010	SSDPEDMX400G401	

*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	AFG00F00029	PS-2162-1Q-LF REV:01	

*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	1.6TB	eMLC	15nm	Toshiba	Hawk-M4	ABS81Q60000	THNSN81Q60CSE	
2.5 - 7mm	SATAIII	6Gb/s	800GB	eMLC	15nm	Toshiba	Hawk-M4	ABS08800000	THNSN8800PCSE	
2.5 - 7mm	SATAIII	6Gb/s	400GB	eMLC	15nm	Toshiba	Hawk-M4	ABS08400000	THNSN8400PCSE	
2.5 - 7mm	SATAIII	6Gb/s	200GB	eMLC	15nm	Toshiba	Hawk-M4	ABS08200000	THNSN8200PCSE	
2.5 - 7mm	SATAIII	6Gb/s	1.92TB	MLC	VNAND	Samsung	SM863	ABS1T9HA000	MZ7KM1T9HAJM-00005	
2.5 - 7mm	SATAIII	6Gb/s	1.6TB	MLC HET	20nm	Intel	S3610	ABS016T4000	NA	
2.5 - 7mm	SATAIII	6Gb/s	1.2TB	MLC HET	20nm	Intel	S3610	ABS012T4004	NA	
2.5 - 7mm	SATAIII	6Gb/s	1.2TB	MLC HET	20nm	Intel	S3710	ABS012T4002	NA	
2.5 - 7mm	SATAIII	6Gb/s	1TB	MLC	15nm	Toshiba	HG6Z	ABS1T02C003	THNSNJ1T02CSY	
2.5 - 7mm	SATAIII	6Gb/s	960GB	MLC	VNAND	Samsung	SM863	ABS960HA002	MZ7KM960HAHP-00005	
2.5 - 7mm	SATAIII	6Gb/s	800GB	MLC HET	20nm	Intel	S3610	ABS0800G003	NA	
2.5 - 7mm	SATAIII	6Gb/s	800GB	MLC HET	20nm	Intel	S3710	ABS0800G001	NA	
2.5 - 7mm	SATAIII	6Gb/s	512GB	MLC	15nm	Toshiba	HG6Z	ABS512GC001	THNSNJ512GCSY	
2.5 - 7mm	SATAIII	6Gb/s	480GB	MLC	VNAND	Samsung	SM863	ABS480HA003	MZ7KM480HAHP-00005	
2.5 - 7mm	SATAIII	6Gb/s	480GB	MLC HET	20nm	Intel	S3610	ABS0480G002	NA	
2.5 - 7mm	SATAIII	6Gb/s	400GB	MLC HET	20nm	Intel	S3610	ABS0400G004	NA	
2.5 - 7mm	SATAIII	6Gb/s	400GB	MLC HET	20nm	Intel	S3710	ABS0400G002	NA	
2.5 - 7mm	SATAIII	6Gb/s	256GB	MLC	15nm	Toshiba	HG6Z	ABS256GC000	THNSNJ256GCSY	
2.5 - 7mm	SATAIII	6Gb/s	240GB	MLC	VNAND	Samsung	SM863	ABS240HA004	MZ7KM240HAGR-00005	
2.5 - 7mm	SATAIII	6Gb/s	200GB	MLC HET	20nm	Intel	S3610	ABS0200G007	NA	
2.5 - 7mm	SATAIII	6Gb/s	200GB	MLC HET	20nm	Intel	S3710	ABS0200G005	NA	

2.5 - 7mm	SATAIII	6Gb/s	128GB	MLC	15nm	Toshiba	HG6Z	ABS128GC000	THNSNJ128GCSY
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*Grayed-out items: to be EOL soon or already EOL

TPM CCL

Model	QuantaPN	VendorPN	Note
NA	34S55TB0030	34S55TB0030	
NA	3PS2BTB0000	3PS2BTB0000	

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