

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 R2, including Hyper-V	(QCT Support Planned)
Red Hat Enterprise Linux 7.0 X86_64 including KVM	(QCT Support Planned)
Ubuntu Server 14.04.1 (LTS)	(QCT Support Planned)
VMware vSphere 5.5 (ESXi 5.5u2) Update 2	(QCT Support Planned)

CPU CCL

Model	FSB	QPI Max	Core	Frequency	Watt	VendorPN
E5-2698 v3	NA	9.6GT/s	16 core	2.3GHz	135W	CM8064401609800
E5-2695 v3	NA	9.6GT/s	14 core	2.3GHz	120W	CM8064401438110
E5-2690 v3	NA	9.6GT/s	12 Core	2.6GHz	135W	CM8064401439416
E5-2683 v3	NA	9.6GT/s	14 core	2.0GHz	120W	CM8064401609728
E5-2680 v3	NA	9.6GT/s	12 Core	2.5GHz	120W	CM8064401439612
E5-2670 v3	NA	9.6GT/s	12 Core	2.3GHz	120W	CM8064401544801
E5-2667 v3	NA	9.6GT/s	8 Core	3.2GHz	135W	CM8064401724301
E5-2660 v3	NA	9.6GT/s	10 core	2.6GHz	105W	CM8064401446117
E5-2650L v3	NA	9.6GT/s	12 Core	1.8GHz	65W	CM8064401575702
E5-2650 v3	NA	9.6GT/s	10 core	2.3GHz	105W	CM8064401723701
E5-2640 v3	NA	8.0GT/s	8 Core	2.6GHz	90W	CM8064401830901
E5-2637 v3	NA	9.6GT/s	Quad	3.5GHz	135W	CM8064401724101
E5-2630L v3	NA	8.0GT/s	8 Core	1.8GHz	55W	CM8064401832100
E5-2630 v3	NA	8.0GT/s	8 Core	2.4GHz	85W	CM8064401831000
E5-2623 v3	NA	8.0GT/s	Quad	3.0GHz	105W	CM8064401832000
E5-2620 v3	NA	8.0GT/s	6 Core	2.4GHz	85W	CM8064401831400
E5-2609 v3	NA	6.4GT/s	6 Core	1.9GHz	85W	CM8064401850800
E5-2603 v3	NA	6.4GT/s	6 Core	1.6GHz	85W	CM8064401844200

Memory CCL

SDRAM Type	Frequency	Size	DIMM Type	Vendor	VendorPN
DDR4_LR	17000 (2133MHz)	32GB	Register	Micron	MTA72ASS4G72LZ-2G1A1
DDR4_LR	17000 (2133MHz)	32GB	Register	Samsung	M386A4G40DM0-CPB
DDR4_LR	17000 (2133MHz)	32GB	Register	SK Hynix	HMA84GL7MMR4N-TF
DDR4	17000 (2133MHz)	16GB	Register	Micron	MTA36ASF2G72PZ-2G1A2
DDR4	17000 (2133MHz)	16GB	Register	Samsung	M393A2G40DB0-CPB

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DDR4	17000 (2133MHz)	16GB	Register	SK Hynix	HMA42GR7MFR4N-TF
DDR4	17000 (2133MHz)	8GB	Register	Micron	MTA18ASF1G72PZ-2G1A2
DDR4	17000 (2133MHz)	8GB	Register	Samsung	M393A1G40DB0-CPB
DDR4	17000 (2133MHz)	8GB	Register	SK Hynix	HMA41GR7MFR4N-TF
DDR4	17000 (2133MHz)	4GB	Register	Micron	MTA9ASF51272PZ-2G1A1
DDR4	17000 (2133MHz)	4GB	Register	SK Hynix	HMA451R7MFR8N-TF

HDD CCL

Form Factor	Interface	Bandwidth	Capacity	Rpm	Vendor	Product family	Model	VendorPN
2.5	SASII	6 Gb/s	900GB	10 Krpm	HGST	Cobra-E	HUC109090CSS600	0B26014
2.5	SASII	6 Gb/s	900GB	10 Krpm	WD	SL300M	WD9001BKHG	WD9001BKHG-02D22V3
2.5	SASII	6 Gb/s	600GB	10 Krpm	HGST	Cobra-E	HUC109060CSS600	0B26013
2.5	SASII	6 Gb/s	600GB	10 Krpm	WD	SL300M	WD6001BKHG	WD6001BKHG-02D22V3
2.5	SASII	6 Gb/s	450GB	10 Krpm	HGST	Cobra-E	HUC109045CSS600	0B26012
2.5	SASII	6 Gb/s	300GB	10 Krpm	WD	SL300M	WD3001BKHG	WD3001BKHG-02D22V3
2.5	SATAIII	6 Gb/s	1TB	7.2 Krpm	Seagate	Airwalker	ST91000640NS	9RZ168-003
2.5	SATAIII	6 Gb/s	500GB	7.2 Krpm	Seagate	Airwalker	ST9500620NS	9RZ164-003
2.5	SATAIII	6 Gb/s	320GB	7.2 Krpm	HGST	Jaguar-C7 EA	HTE725032A7E630	0J26053
2.5	SATAIII	6 Gb/s	250GB	7.2 Krpm	Seagate	Airwalker	ST9250610NS	9RZ162-003

Storage Card CCL

Form Factor	Bandwidth	Chip	Port	RAID	Onboard memory	Bus	Gen	Vendor	Model	VendorPN	BBU SuperCap
	6Gbps	LSISAS2108	4i4e	RAID 0,1,5,6,10,50,60	512MB	PCI-E X8	Gen 2	LSI	MEGARAID SAS9280-4I4E	L5-25305-05	Ibbu08
		NA	NA	RAID 6	NA	NA	NA	LSI	Lisence Key, RAID 6 for 2108	L3-25150-19	NA
		NA	NA	RAID 6	NA	NA	NA	LSI	Lisence Key, RAID 6 for 2208	L3-25188-15A	NA
HHHL	12Gbps	3008	8e	NA	NA	PCI-E X8	Gen 3	LSI	LSI-9300-8E	H5-25460-00	NA
HHHL	12Gbps	3008	4i4e	NA	NA	PCI-E X8	Gen 3	LSI	LSI-9300-4I4E	25515-00	NA
HHHL	6Gbps	LSISAS2108	4i	RAID 0,1,5,6,10,50,60	512MB	PCI-E X8	Gen 2	LSI	MegaRAID-9260-4I	L5-25121-30	Ibbu08
Mezz	6Gbps	LSISAS2208	8i	RAID 0,1,5,10,50	1GB	PCI-E X8	Gen 3	Quanta	QS-2208-R5-PD32	36S2TRM0030	IBBU09/ CVFM02+CVPM02
Mezz	12Gbps	LSISAS3008	8i	RAID 0,1,1E,10	NA	PCI-E X8	Gen 3	Quanta	QS-3008-8i-IR	35S2BMA0000	NA
Mezz	12Gbps	LSISAS3108	8i	RAID 0,1,1E,5,6,10,50,60	1GB	PCI-E X8	Gen 3	Quanta	QS-3108-R6-PD32	35S2BMA0060	CVFM03/ CVPM02

LAN card CCL

Form Factor	Speed	Type	Port	Vendor	Model	Chip	Bus	Gen	VendorPN
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Marketing summary report

FHHL	10Gb	RJ45	2 port	Intel	X540-T2	Intel X540	PCI-E X 8	Gen 2	X540T2G1P5
HHHL	10Gb	SFP+	2 port	CHELSIO	T420-CR	Chelsio T4	PCI-E X 8	Gen 2	510-009840 C0
HHHL	10Gb	SFP+	2 port	Qlogic	QLE8242-CU CAN	NA	PCI-E X 8	Gen 2	QLE8242-CU CAN
HHHL	10Gb	SFP+	2 port	Qlogic	QLE8242-SR-SP	NA	PCI-E X 8	Gen 2	QLE8242-SR-SP
HHHL	1Gb	RJ45	4 port	Intel	i350-T4	Intel-I350	PCI-E X 4	Gen 2	I350T4G1P20
Mezz	56Gb	QSFP	2 port	Quanta	QN 56G IB CX3	ConnectX-3 VPI	PCI-E X 8	Gen 3	36S4ELB0030
Mezz	40Gb	QSFP	2 port	Quanta	QN 40G IB CX3	ConnectX-3 VPI	PCI-E X 8	Gen 3	36S4ELB0000
Mezz	40Gb	QSFP	2 port	Quanta	QN 40GbE CX3	ConnectX-3 EN	PCI-E X 8	Gen 3	36S4ELB0010
Mezz	10Gb	RJ45	2 port	Quanta	QN 10GbE X540	Intel X540	PCI-E X 8	Gen 2	32S2KMB0010
Mezz	10Gb	SFP+	2 port	Quanta	QN 10GbE 82599ES Combo-All	Intel 82599ES	PCI-E X 8	Gen 2	35S2EMA0070
NA	10Gb	SFP+	2 port	Intel	X520-DA2	Intel 82599ES	PCI-E X 8	Gen 2	E10G42BTDAG1P5
OCP Mezz	40Gb	QSFP	1 port	Quanta	ON 40GbE CX3PRO	ConnectX-3 Pro VPI	PCI-E X 8	Gen 3	35S2BMA0020
OCP Mezz	40Gb	QSFP	1 port	Quanta	ON 40GbE Skyhawk-R	Skyhawk-R	PCI-E X 8	Gen 3	35S2BMA0010
OCP Mezz	10Gb	RJ45	2 port	Quanta	ON 10GbE X540	Intel X540	PCI-E X 8	Gen 2	37S2SLB0020
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 57810-QCT	BCM57810	PCI-E X 8	Gen 2	3MS2ZLB0030
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE 82599ES-QCT	Intel 82599ES	PCI-E X 8	Gen 2	3JF03MA00D0
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE CX3	ConnectX-3 EN	PCI-E X 8	Gen 3	3JF03MA0060
OCP Mezz	10Gb	SFP+	2 port	Quanta	ON 10GbE Skyhawk-R	Skyhawk-R	PCI-E X 8	Gen 3	3MS2BLB0030
OCP Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 57811-QCT	BCM57711	PCI-E X 8	Gen 2	3MS2ZLB0000
OCP Mezz	10Gb	SFP+	1 port	Quanta	ON 10GbE 82599EN-QCT	Intel 82599EN	PCI-E X 8	Gen 2	3JF03MA00C0
OCP Mezz	1Gb	RJ45	2 port	Quanta	ON 1GbE I350	Intel-I350	PCI-E X 8	Gen 2	37S2SLB0010

Flash Disk CCL

Vendor	Model	VendorPN	Type	Size	Speed
INNODISK	DEUH1-08GI72AW1SC-A91	DEUH1-08GI72AW1SC-A91	Standard USB	8GB	USB 2.0
INNODISK	DEUH1-16GI72AW1SC-A91	DEUH1-16GI72AW1SC-A91	Standard USB	16GB	USB 2.0
INNODISK	DEUH1-32GI72AW1SC-A91	DEUH1-32GI72AW1SC-A91	Standard USB	32GB	USB 2.0

SSD CCL

Form Factor	Type	Bandwidth	Capacity	NAND Type	Process	Vendor	Product family	VendorPN
2.5	AHCI	6Gb/s	960GB	MLC	19nm	Samsung	SV843	MZ7WD960HMHP-00003
2.5	AHCI	6Gb/s	960GB	MLC	20nm	Micron	M500	MTFDDAK960MAV-1AE12ABYY
2.5	AHCI	6Gb/s	800GB	MLC	20nm	Intel	S3500	SSDSC2BB800G4

2.5	AHCI	6Gb/s	800GB	MLC	20nm	Intel	S3700	SSDSC2BA800G301
2.5	AHCI	6Gb/s	800GB	MLC	20nm	Micron	M500DC	MTFDDAK800MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	600GB	MLC	20nm	Intel	S3500	SSDSC2BB600G4
2.5	AHCI	6Gb/s	480GB	MLC	19nm	Samsung	SM843Tn	MZ7WD480HCGM-000QT
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Intel	S3500	SSDSC2BB480G401
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Micron	M500	MTFDDAK480MAV-1AE12ABYY
2.5	AHCI	6Gb/s	480GB	MLC	20nm	Micron	M500DC	MTFDDAK480MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	400GB	MLC	20nm	Intel	S3700	SSDSC2BA400G301
2.5	AHCI	6Gb/s	300GB	MLC	20nm	Intel	S3500	SSDSC2BB300G4
2.5	AHCI	6Gb/s	240GB	MLC	19nm	Samsung	SM843Tn	MZ7WD240HCFV-000QT
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Intel	S3500	SSDSC2BB240G401
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Micron	M500	MTFDDAK240MAV-1AE12ABYY
2.5	AHCI	6Gb/s	240GB	MLC	20nm	Micron	M500DC	MTFDDAK240MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	200GB	MLC	20nm	Intel	S3700	SSDSC2BA200G3
2.5	AHCI	6Gb/s	160GB	MLC	20nm	Intel	S3500	SSDSC2BB160G4
2.5	AHCI	6Gb/s	120GB	MLC	19nm	Samsung	SM843Tn	MZ7WD120HCFV-000QT
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Intel	S3500	SSDSC2BB120G401
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Micron	M500	MTFDDAK120MAV-1AE12ABYY
2.5	AHCI	6Gb/s	120GB	MLC	20nm	Micron	M500DC	MTFDDAK120MBB-1AE1ZABYY
2.5	AHCI	6Gb/s	100GB	MLC	20nm	Intel	S3700	SSDSC2BA100G3
2.5	AHCI	6Gb/s	80GB	MLC	20nm	Intel	S3500	SSDSC2BB080G4
2.5	NVMe	Gen2 X4	1TB	MLC	20nm	Intel	P3500	P35001T (TBC)
2.5	NVMe	Gen2 X4	500GB	MLC	20nm	Intel	P3500	P3500500GB(TBC)
2.5	NVMe	Gen2 X4	250GB	MLC	20nm	Intel	P3500	P3500250GB (TBC)
2.5	SAS	12Gb/s	800GB	MLC	TBC	Seagate	Gibson	1GD272-004
2.5	SAS	12Gb/s	400GB	MLC	TBC	Seagate	Gibson	1GD262-004
2.5	SAS	12Gb/s	200GB	MLC	TBC	Seagate	Gibson	1GD252-004
2.5	SCSI	12Gb/s	400GB	MLC	25nm	HGST	Sunset Cove	0B28588
2.5	SCSI	6Gb/s	400GB	MLC	25nm	Micron	P410m	MTFDEAK400MAS-1S1AA
2.5	SCSI	12Gb/s	200GB	MLC	25nm	HGST	Sunset Cove	0B28587