

Broad Choice of Network/Storage Mezzanine Options



QCT offers the most reliable network and SAS mezzanine cards with outstanding performance, bandwidth and power efficiency for the most demanding datacenter applications.

OCP Network Mezzanine



	ON 40GbE Skyhawk-R	ON 40GbE CX3PRO	ON 10GbE 57810	ON 10GbE 82599ES	ON 10GbE Skyhawk-R
Description	OCP Emulex Skyhawk-R (Single QSFP)	OCP Mellanox CX-3 Pro (Single QSFP)	OCP Broadcom 57810 (Dual SFP+)	OCP Intel® 82599ES (Dual SFP+)	OCP Emulex Skyhawk-R (Dual SFP+)
Controller	Skyhawk-R1	CX-3 Pro VPI	57810	82599ES	Skyhawk-R
Port Count	1	1	2	2	2
Interface	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 3.0 x8
Features	iSCSI/ PXE	iSCSI/ PXE	PXE	PXE/ iSCSI/ UEFI (COMBO)	iSCSI/ PXE
WOL Support	YES (Port0)	YES (Port0)	No	No	YES (Dual ports)
Management Support (NCSI/SMBUS)	NCSI	NCSI/ SMBUS	NCSI	NCSI	NCSI
Form Factor	110.5*68mm	110.5*68mm	110.5*68mm	110.5*68mm	110.5*68mm



	ON 10GbE CX3PRO	ON 10GbE X540	ON 1GbE i350	ON 10GbE CX3 SMBUS LACP	ON 10GbE CX3 LACP
Description	OCP Mellanox CX-3 Pro (Dual SFP+)	OCP Intel® X540 (Dual RJ45)	OCP Intel® i350 (Dual RJ45)	OCP Mellanox CX-3 with VGA (Dual SFP+)	OCP Mellanox CX-3 with VGA (Dual SFP+)
Controller	CX-3 Pro EN	X540	i350	CX-3 EN	CX-3 EN
Port Count	2	2	2	2	2
Interface	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
Features	iSCSI/ PXE	PXE/ iSCSI/ UEFI	PXE/ iSCSI/ UEFI	LACP Enable/ IPMI Enable/ iKVM Enable	LACP Enable/ IPMI Disable/ iKVM Enable
WOL Support	YES (Port0)	YES (Dual ports)	YES (Dual ports)	YES (Port0)	YES (Port0)
Management Support (NCSI/SMBUS)	NCSI/ SMBUS	NCSI	NCSI	SMBUS-Enable/ LACP-Enable	SMBUS-Disable/ LACP-Enable
Form Factor	110.5*68mm	110.5*68mm	110.5*68mm	110*87.8mm	110*87.8mm

* All specifications and figures are subject to change without prior notice.



	ON 10GbE CX3 SMBUS	ON 10GbE CX3	ON 10GbE 57811	ON 10GbE 82599EN
Description	OCP Mellanox CX-3 with VGA (Dual SFP+)	OCP Mellanox CX-3 with VGA (Dual SFP+)	OCP Broadcom 57811 (Single SFP+)	OCP Intel® 82599EN (Single SFP+)
Controller	CX-3 EN	CX-3 EN	57811	82599EN
Port Count	2	2	1	1
Interface	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Features	LACP Disable/ IPMI Enable/ iKVM Enable	LACP Disable/ IPMI Disable/ iKVM Enable	PXE	PXE/ iSCSI/ UEFI (COMBO)
WOL Support	YES (Port0)	YES (Port0)	No	No
Management Support (NCSI/SMBUS)	SMBUS-Enable/ LACP-Disable	SMBUS-Disable/ LACP-Disable	NCSI	NCSI
Form Factor	110*87.8mm	110*87.8mm	110.5*68mm	110.5*68mm

QCT Network Mezzanine



	QN 56G IB CX3	QN 10GbE 57810	QN 40G IB CX3	QN 40GbE CX3	QN 1GbE i350-S4L
Description	Mellanox IB - FDR	Broadcom 57810 (Dual SFP+)	Mellanox IB - QDR	Mellanox Ethernet 40 GbE	Intel® Powerville (Dual RJ45)
Controller	ConnectX-3 VPI	Broadcom 57810	ConnectX-3 VPI	ConnectX-3 EN	i350
Port Count	2	2	2	2	2
Interface	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 2.0 x8
Features	PXE/ iSCSI	PXE	PXE/ iSCSI	PXE/ iSCSI	PXE/ iSCSI/ UEFI (COMBO)
WOL Support	No	YES (port0)	No	No	YES (Dual ports)
Management Support (NCSI/SMBUS)	No	NCSI (By cable)	No	No	NCSI (By cable)
Form Factor	114*85.3mm	114*85.3mm	114*85.3mm	114*85.3mm	129*112mm



	QN 1GbE i350	QN 10GbE x540-S4L	QN 10GbE x540	QN 10GbE 82599EN-S2L	QN 10GbE 82599ES-S2L
Description	Intel® Powerville (Dual RJ45)	Intel® Twinville (Dual RJ45)	Intel® Twinville (Dual RJ45)	Intel® 82599EN (Single SFP+) [for S810-X52L]	Intel® 82599ES (Dual SFP+)
Controller	i350	x540	x540	82599EN	82599ES
Port Count	2	2	2	1	2
Interface	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Features	PXE/ iSCSI/ UEFI (COMBO)	PXE/ iSCSI/ UEFI (COMBO)	PXE/ iSCSI/ UEFI (COMBO)	PXE	Option 1: PXE/ iSCSI/ UEFI (COMBO) Option 2: No
WOL Support	YES (Dual ports)	YES (Dual ports)	YES (Dual ports)	No	No
Management Support (NCSI/SMBUS)	NCSI (By cable)	NCSI (By cable)	NCSI (By cable)	No	No
Form Factor	114*78mm	129*112mm	114*78mm	114*85.3mm	114*85.3 mm



QN 10GbE 82599EN-S1B

QN 10GbE 82599ES

Description	Intel® 82599EN (Single SFP+) [for S910-X31B w/o NCSI]	Intel® 82599ES (Dual SFP+)
Controller	82599EN	82599ES
Port Count	1	2
Interface	PCIe 2.0 x8	PCIe 2.0 x8
Features	ISCSI/ PXE	Option 1: PXE/ ISCSI/ UEFI (COMBO) Option 2: No
WOL Support	No	No
Management Support (NCSI/SMBUS)	No	Option 1: NCSI (By cable) Option 2: No
Form Factor	94.7*79.3mm	114x 85.3 mm

QCT SAS Mezzanine



QS 3108

QS 3008

QS 2208

QS 2108

QS 2308

Description	QCT SAS 3108 Mezz card	QCT SAS 3008 Mezz card	QCT SAS 2208 Mezz card	QCT SAS 2108 Mezz card	QCT SAS 2308 Mezz card
Controller	LSI SAS 3108	LSI SAS 3008	LSI SAS 2208	LSI SAS 2108	LSI SAS 2308
Port Count	2	2	2	2	2
Interface	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 3.0 x8
Data Transfer Rates	12 Gb SAS RAID	12 Gb SAS HBA	6 Gb SAS RAID	6 Gb SAS RAID	6 Gb SAS HBA
RAID	Mage Raid (MR) RAID 0, 1, 5, 6 10, 50, 60	Intergard RAID (IR) RAID 0, 1,1E,10	Support RAID 0/1/10/5/6/50 with RAID6 in TSOC	Support RAID 0/1/10/5/6/50/60 (RAID 6 and 60 need an additional RAID 6 key module.)	Intergard RAID (IR) RAID 0, 1,1E,10
BBU/SuperCap	FBU 02	No	iBBU 09/ QCT CVFM 2208 + LSI CVPM02	iBBU 08	No
Cache memory	1Gb	No	1Gb	512MB	No
Form Factor	114*85.3 mm	114*85.3mm	110*85.3mm	123*85.3mm	110*85.3mm



QS 2008

Description	Quanta SAS 2008 Mezz card
Controller	LSI SAS 2008
Port Count	2
Interface	PCIe 2.0 x8
Data Transfer Rates	6 Gb SAS HBA
RAID	Intergard RAID (IR) RAID 0, 1,1E,10
BBU/SuperCap	No
Cache memory	QCT SAS 2008 Mezz card
Form Factor	114*85.3mm



About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QuantaQCT.com>

v1.1

Get a quote: www.QuantaQCT.com

United States QCT LLC., Silicon Valley office
1010 Rincon Circle, San Jose, CA 95131
TOLL-FREE: 1-855-QCT-MUST
TEL: +1-510-270-6111
FAX: +1-510-270-6161
Support: +1-510-270-6216

China 云达科技，北京办公室 (Quanta Cloud Technology)
Room 1508, East Tower 15F, World Financial Center
No.1, East 3rd Ring Zhong Rd., Chaoyang District,
Beijing, China
TEL: +86-10-5920-7600
FAX: +86-10-5981-7958

云达科技，杭州办公室 (Quanta Cloud Technology)
Room 303, Building No.4, ZheShang Wealth Center
No. 83 GuDun Road, Xihu District, Hangzhou,
Zhejiang, China
TEL: +86-571-2819-8650

Japan Quanta Cloud Technology Japan 株式会社
Makita Building 3F, 2-5-8, Shibadaimon, Minato-ku, Tokyo
105-0012, Japan
TEL: +81-3-5777-0818
FAX: +81-3-5777-0819

Taiwan 雲達科技 (Quanta Cloud Technology)
1F, No. 211 Wenhua 2nd Rd., Guishan Dist., Taoyuan City
33377, Taiwan
TEL: +886-3-286-0707
FAX: +886-3-327-0001

Other regions Quanta Cloud Technology
No. 211 Wenhua 2nd Rd., Guishan Dist., Taoyuan City
33377, Taiwan
TEL: +886-3-327-2345
FAX: +886-3-397-4770

QCT authorized partner

All specifications and figures are subject to change without prior notice. Actual products may look different from the photos.

QCT, the QCT logo, Rackgo, Quanta, and the Quanta logo are trademarks or registered trademarks of Quanta Computer Inc.

Intel, the Intel logo, Xeon, the Xeon inside, Intel Atom and Intel Atom Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and/or other countries.

All trademarks and logos are the properties of their representative holders.
Copyright © 2014-2015 Quanta Computer Inc. All rights reserved.