

10Gbイーサネット Q4-14 ポート数シェア*

QLogicって?

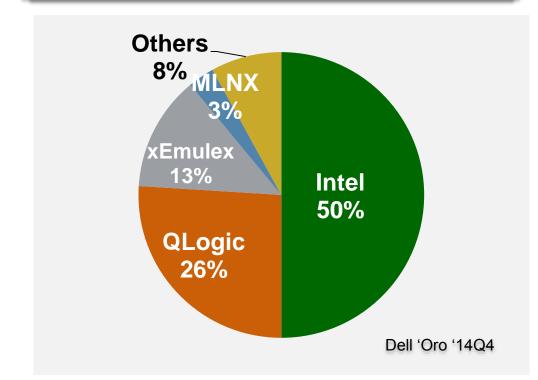
本社はアメリカ、南カリフォルニア

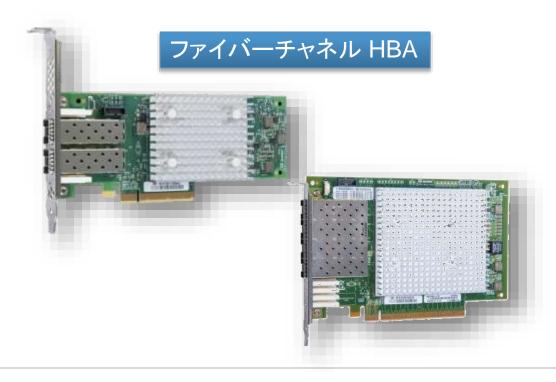
昨年度の売り上げ: \$458.9M

従業員は世界で800人程度

ファイバーチャネルとイーサネットのアダプター、ASICの会社

ファイバーチャネルアダプター(HBA)12年連続シェアNo.1 ストレージインターフェースも高いシェア







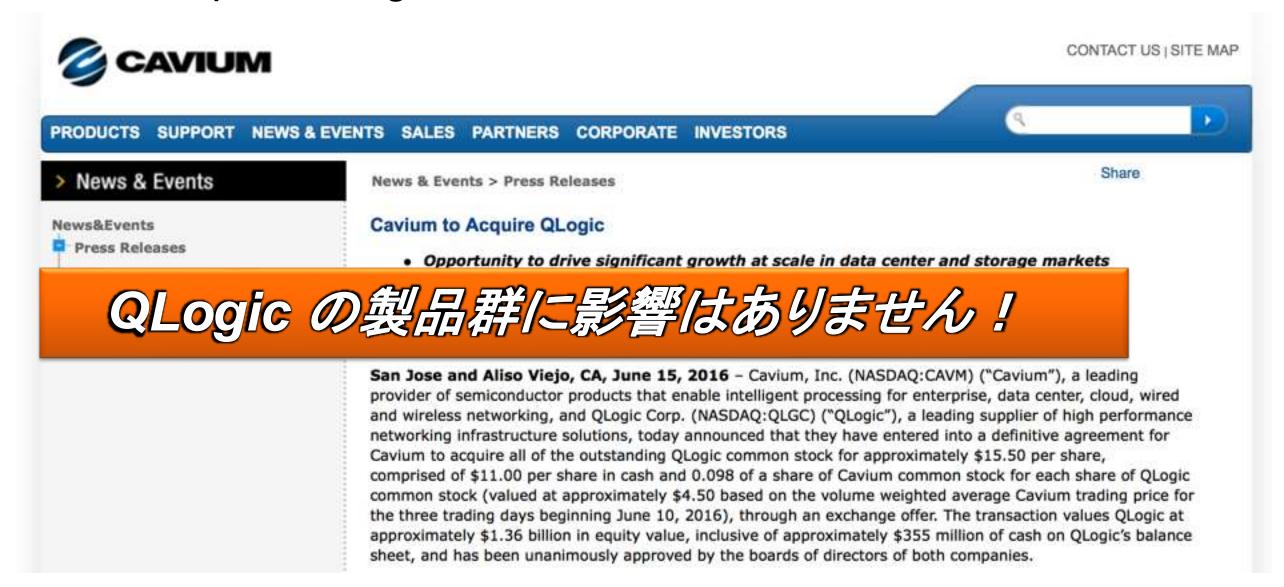




Breaking news! (June 16)

CAVIUM

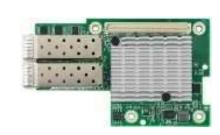
Cavium to Acquire QLogic



OCP Versions Comparison

	Releas e Date	Default Form Factor	PCI-e	Connector	New I/O Types	Vertical Stack Types (heat sink height)	Manag ement
OCP 0.5 (a.k.a. OCP 1.0)	Oct, 2012		Gen3x8	A – Gen3x8	- Single/dual 10G SFP+	No type define, height the same as 2.0 type 1	OOB through I2C
OCP 2.0 rev 0.4	Aug, 2014	The section of the se	Optional Gen 3x16	A – Gen 3x8 B(optional) - Gen 3x16	- Single/dual 40G QSFP+ - Quad 10G SFP+ - Quad 10GBT - 16x KR	Type 1 – single/dual /quad QSFP+ Type 2 – single/dual /quad QSFP+ w/ higher heat sink Type 3 – Quad 10G SFP+/Base-T	OOB through I2C or NC-SI
OCP 2.0 rev 1.0	Dec, 2015	Adding connector C	Optional Gen 3x16	A – Gen 3x8 B(optional) - Gen 3x16 C(optional) – KR	- Single/dual 50G/100G QSFP+ - Single/dual 25G SFP+ - Single/Dual 10GBT	Adding Type 4 – single/dual QSFP+ sink-down design	OOB through I2C or NC-SI

QLogic OCP Plan – as of June'16



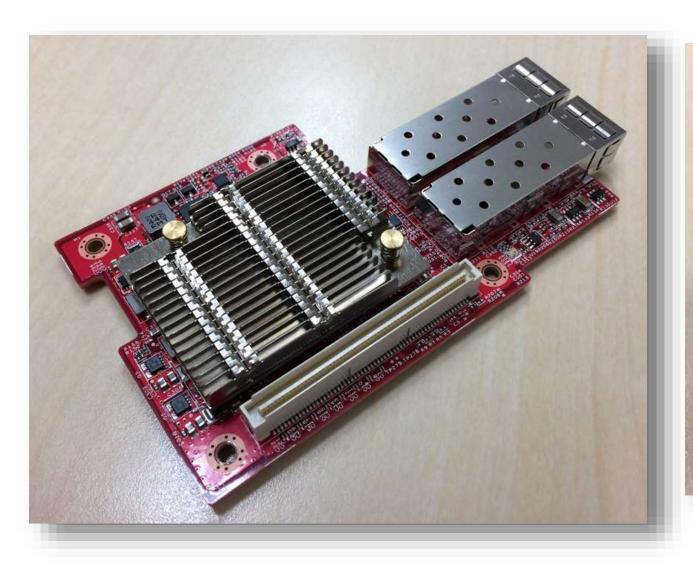
Part Number	I/O	ASIC(s)	OCP Version	OCP Type	NC-SI	Status
QLE3452-CU	Single/dual-10G SFP+	E3	1.0 FF w/ 2.0 NC-SI	1	Yes w/ 2.0 spec	GA Q3'16
QLE3452-RJ	Single/dual-10GBT	E3	1.0 FF w/ 2.0 NC-SI	1	Yes w/ 2.0 spec	Sample
TBD	Single/dual-25G	E4	1.0 FF w/ 2.0 NC-SI	1	Yes w/ 2.0 spec	Plan 2017
TBD	Single-100G QSFP28	E4	2.0	2	Yes w/ 2.0 spec	Plan
TBD	Single/dual-40G QSFP+	E4	2.0	2	Yes w/ 2.0 spec	Plan



QLogic OCP Ethernet アダプター (開発中)

25Gb イーサネットOCPアダプター

40Gb イーサネットOCPアダプター







Why QLogic OCP?



- 実績 Known-Good Solutions
 - QLogic enterprise-class testing on customer's server platform
 - QLogic hardened SW stack and FW
- - NC-SI design following OCP 2.0 spec
 - Crash dump provides history of failed adapters
 - Over temperature protection
 - Wake on LAN (WoL)
- ・ 豊富な機能 │ Most Comprehensive Protocol Support in the Industry
 - Server virtualization support: multi-queue, SR-IOV, NPAR, RSS, TSS
 - Capable of RoCEv1/v2 and iWARP support
 - Tunneling support including HW/FW-ready for Geneve
 - Capable of iSCSI initiator offload
- 多くのベンダーと協業 | Flexible OCP Strategy
 - ODM-flavored E3(10G SFP+) OCP to go with the box Quanta, Mitac, Wiwynn, Foxconn, Inventec, Gigabyte, Asustek(10GBT)
 - Quanta to design Big Bear-based 25G/40G/100G OCPs

1/0 テクノロジー ロードマップ

2016

・ネットワークリンクスピード

• ホスト接続

・オフロード

・ I/O 技術

I/O の進化を 促すトレンド

