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CHELSIO DELIVERS T6 UNIFIED WIRE LINE OF PROTOCOL OFFLOAD ADAPTERS BASED ON OPEN COMPUTE PROJECT (OCP) DESIGNS

**1/10/25/40/50/100Gbps Adapters Built to OCP Specifications Offer Line Rate, High IOPS
Performance for iSCSI, SMB Direct, NVMe over Fabrics, and Encryption – Lowest Power
100GbE Adapter in Industry**

SUNNYVALE, CA – March 8, 2017 – Chelsio Communications, Inc., a leading provider of high performance (1Gb/10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet Unified Wire Adapters and ASICs for storage networking, virtualized enterprise datacenters, cloud service installations, and cluster computing environments, today announced the availability of the new Terminator 6 (T6) 1/10/25/40/50/100Gb Ethernet (GbE) network adapters based on the sixth generation of its hyper-virtualized Unified Wire ASIC architecture based on the Open Compute Project (OCP).

The new T6 OCP-optimized adapters are designed for storage, cloud computing, HPC, virtualization and other datacenter applications in a Network and Storage environment based on OCP.

- [T6225-OCP](#) – memory free dual-port 1/10/25 Gigabit Ethernet Server Offload adapter, with PCI Express 3.0 x8 host bus interface
- [T61100-OCP](#) – memory free single-port 1/10/25/40/50/100 Gigabit Ethernet Server Offload adapter, with PCI Express 3.0 x16 host bus interface

The T6 powered adapters are the industry's highest performance Ethernet interfaces, scaling to deliver 100Gbps wire speed bandwidth, ultra-low latency and high message processing capacity. The new adapters are also the lowest power 100GbE solution in the industry,



requiring a passive heat sink and a maximum of 200 Linear Feet per Minute (LFM) airflow while delivering 100Gbps speeds, enabled by the exceptionally low power 32nm SOI process from Global Foundries. With a comprehensive suite of offloaded storage, compute and networking protocols including iWARP (RDMA/TCP), TCP/IP, UDP/IP, NVMe over Fabrics, iSCSI Offload, and FCoE with T10-DIX, IPsec, SSL and DTLS, Terminator 6 (T6) enables network convergence and provides unprecedented performance in virtualized environments, while dramatically increasing host system efficiency and lowering communication overhead.

“Chelsio is committed to Open Ethernet and to enabling the freedom of choice of hardware and software for best datacenter return on investment,” said Kianoosh Naghshineh, CEO at Chelsio Communications. “We’re very gratified to help enable the OCP ecosystem with our industry-leading T6 Unified Wire adapter solutions.”

More Details

T6 ASIC Architecture: [T6 ASIC Architecture White Paper](#)

T6 Encryption Offload: [T6 Crypto White Paper](#)

T6 ASIC Product Brief: [T6 ASIC Product Brief](#)

T6 Adapter Product Selector: [T6 Adapter Product Selector](#)

T6 Adapter Product Briefs: [T6 Adapter Product Briefs](#)

T6 Adapters Walkthrough Video: [T6 Adapter Videos](#)

Availability and Pricing

The cards are list priced per below. All software is included without a licensing fee.

SKU	Description	OCP	List Price	Sample	Prod.
T520-OCP	2x1/10G	v2.0, Type 1	\$351	Now	Now
T580-OCP	2x1/10/40G	v2.0, Type 1	\$634	Now	Now
T6225-OCP	2x1/10/25G	v2.0, Type 1	\$401	Now	April
T61100-OCP	1x1/10/25/40/50/100G	v2.0, Type 1	\$886	April	May



About Chelsio Communications

Chelsio is a recognized leader in high performance (1Gb/10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet adapters for networking and storage within virtualized enterprise datacenters, public and private hyperscale clouds, and cluster computing environments. With a clear emphasis on performance and delivering the only robust offload solution, as opposed to simple speeds and feeds, Chelsio has set itself apart from the competition. The Chelsio Unified Wire fully offloads all protocol traffic, providing no-compromise performance with high packet processing capacity, sub-microsecond hardware latency and high bandwidth. Visit the company at www.chelsio.com, and follow the company on [Twitter](#) and [Facebook](#).

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