



## License Request to Display OpenPOWER Ready Mark



*Chelsio Communications, Inc. hereby requests a license to display the OpenPOWER Ready mark for its T580-CR 40GbE Adapter. This document provides evidence that the criteria required by the OpenPOWER Foundation has been met.*

Owner:	Chelsio Communications, Inc.
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Submission Date:	3/29/2016
Product/Component Designator:	T580-CR
Short Product/Component Description:	Chelsio's T580-CR is built upon the Terminator 5 (T5) High Performance ASIC and is a 40 GbE Unified Wire adapter, with PCI Express Gen 3 host bus interface, optimized for cloud computing, HPC, virtualization, storage, and other data center applications
Product/Component Information URL :	<a href="http://www.chelsio.com/nic/unified-wire-adapters/t580-cr/">http://www.chelsio.com/nic/unified-wire-adapters/t580-cr/</a>
Tag String:	Ethernet Adapter, 40GbE, RDMA, iWARP, iSCSI, FCoE, NIC, SAN, Storage, 2 ports, offload, TOE, Classification, Traffic Management, UDP Offload
OpenPOWER Ready Criteria Document version:	Rev 1.0 - Approval version
Product/Component Category (System, I/O, CAPI, OS, app)	I/O adapter



**OpenPOWER Foundation**  
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**Ready Checklist:** Describe how the product satisfies the criteria.

Item	Description
Dimensions	3.95" x 6.6"
Bus Interface	Compliant PCI Express (PCIe) 3.0 x8 Lanes
UEFI Boot	UEFI Specification, Version 2.3
Ethernet Connectivity	40Gb Ethernet
Number of ports	2 ports of 40Gb Ethernet
Latency	Very low latency Ethernet
Operating Voltage	12V±8%, 3.3V±9% DC
Operating Temperature	25-Watt Enclosure: 0°-55°C
Airflow	Ambient with 200LFM air flow
Temperature Monitoring	Software readable
Driver	Chelsio Unified Wire Software package v2.11.1.0, which is posted and available on Chelsio's web-site: <a href="http://service.chelsio.com/">http://service.chelsio.com/</a>
Operating System Testing	RHEL 7.1LE running Linux 3.10.0-229.ael7b.ppc64le ppc64le GNU/Linux
Test platform	Tyan GN70-BP010 server
Testing	All pass on various performance and data integrity tests using tools including iPerf, Netperf, IOzone, and Open MPI
Advanced tests performed	All pass with advanced tests include those for iSCSI, iWARP RDMA, FCoE, TOE, Classification & Traffic Management Engine, and UDP Offload
Performance benchmark results	<a href="http://www.chelsio.com/performance-benchmarks/">http://www.chelsio.com/performance-benchmarks/</a>

**Criteria:** [OpenPOWER Ready Criteria Document](#) **Trademark License Agreement and Usage Guidelines:** By submitting this License Request, you agree to the terms of the [OpenPower Trademark License Agreement](#) and the [OpenPower Trademark Usage Guidelines](#) if we approve your License Request. **Submit** OPR Form to: [Ready@openpowerfoundation.org](mailto:Ready@openpowerfoundation.org) **Other Trademarks:** You will need to submit a separate application for each trademark you wish to license.



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