



License Request to Display the OpenPOWER Ready™ Mark

Mellanox Technologies hereby requests a license to display the OpenPOWER Ready mark for its ConnectX®-3 Pro Ethernet Network Interface Cards. This document provides evidence that the criteria required by the OpenPOWER Foundation has been met.

Owner	Mellanox
Contact Name	Scot Schultz
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Product/Component Designator	ConnectX®-3 Pro MCX312B-XCCT
Short Product/Component Description	ConnectX®-3 Pro EN network interface card, 10GbE, dual-port SFP+, PCIe3.0 x8 8GT/s, tall bracket, RoHS R6
Product/Component Information URL	http://www.mellanox.com/related-docs/user_manuals/ConnectX-3_Pro_Ethernet_Single_and_Dual_SFP+_Port_Adapter_Card_User_Manual.pdf
Tag String	Network interface card, ConnectX®-3 Pro, 10GbE, dual port, RDMA, Low latency, RoCE, TCP Stateless Offloads, Storage, High Performance Computing
Version of This OpenPOWER Ready Document Used for the Criteria	Revision 1.0
Product/Component Category (System, I/O, CAPI, OS, Application)	ConnectX®-3 Pro Network Interface Cards



Ready Checklist: Describe how the product satisfies the criteria.

Item	Description
Dimensions	2.1 in. x 5.6 in. (53.59mm x 142.24 mm)
Bus Interface	Compliant with PCI Express (PCIe) 3.0 x8 Lanes
Ethernet Connectivity	10GbE
Number of Ports	2
Latency	<1usec
Operating Voltage	12V, 3.3V
Operating Temperature	25-Watt Enclosure: 0°-55°C
Airflow	Ambient with 200LFM air flow (passive cables)
Device Driver	Software testing is executed over Bare Metal server model Tyan GN70-BP010 (Palmetto) with Ubuntu PPC64Le Operating System.
Operating System Testing	RHEL 7.1LE
Test Platform	Tyan GN70-BP010 server
Testing	All pass on various performance and data integrity tests using tools including iPerf, Netperf, and Open MPI