



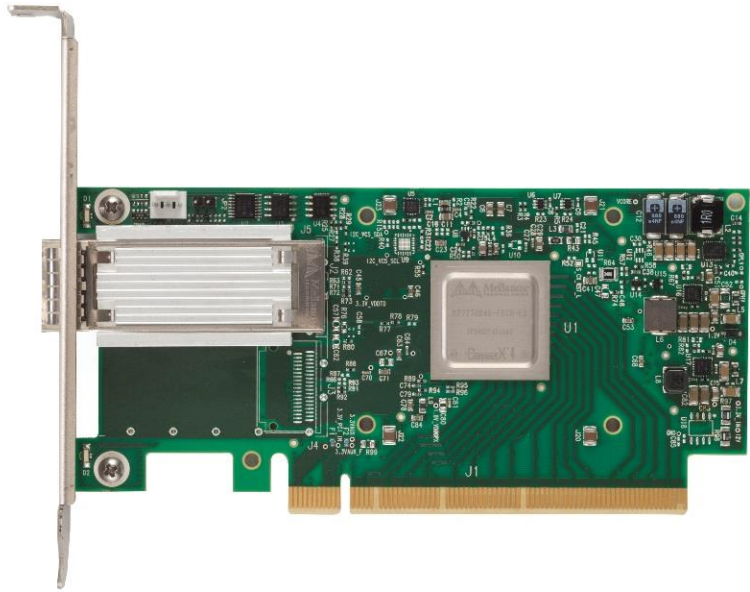
## License Request to Display the OpenPOWER Ready™ Mark

Mellanox Technologies hereby requests a license to display the OpenPOWER Ready mark for its ConnectX®-4 VPI Adapter Cards. This document provides evidence that the criteria required by the OpenPOWER Foundation has been met.

Owner	Mellanox
Contact Name	Scot Schultz
Contact E-mail Address	scots@mellanox.com
Product/Component Designator	ConnectX®-4 MCX455A-ECAT
Short Product/Component Description	ConnectX®-4 VPI adapter card, EDR IB (100Gb/s) and 100GbE, single-port QSFP28, PCIe3.0 x16, tall bracket, ROHS R6
Product/Component Information URL	<a href="http://www.mellanox.com/related-docs/user_manuals/ConnectX-4_VPI_Single_and_Dual_QSFP28_Port_Adapter_Card_User_Manual.pdf">http://www.mellanox.com/related-docs/user_manuals/ConnectX-4_VPI_Single_and_Dual_QSFP28_Port_Adapter_Card_User_Manual.pdf</a>
Tag String	Adapter card, ConnectX®-4, EDR IB, 100GbE, VPI, single 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®-4 Adapter Card



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**Ready Checklist:** Describe how the product satisfies the criteria. TBD: Alberto

Item	Description
Dimensions	2.71 in. x 5.6 in. (68.90mm x 142.24 mm)
Bus Interface	Compliant with PCI Express (PCIe) 3.0 x16 Lanes
InfiniBand Connectivity	EDR
Ethernet Connectivity	100GbE
Number of Ports	1
Latency	<1usec
Operating Voltage	12V, 3.3V
Operating Temperature	25-Watt Enclosure: 0°-55°C
Airflow	Ambient with 400LFM 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