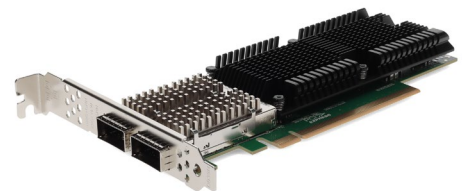


PRO-PCIE4-2QSFP28

100Gbs Dual Open QSFP28 Port PCIe 4.0 x16 Network Interface Card w/PXE boot

Features

- PCI Express v4.0 x16 dual-port 100G fiber Ethernet network adapter card
- iWARP and RoCEv2 Remote Direct Memory Access (ROMA)
- Intel® Ethernet Adaptive Virtual Function (Intel® Ethernet AVF)
- Enhanced server virtualizations: 256 VFs, 768 VSIs
- IEEE 1588 Precision Time Protocol (v1 and v2) with per-packet time stamping.



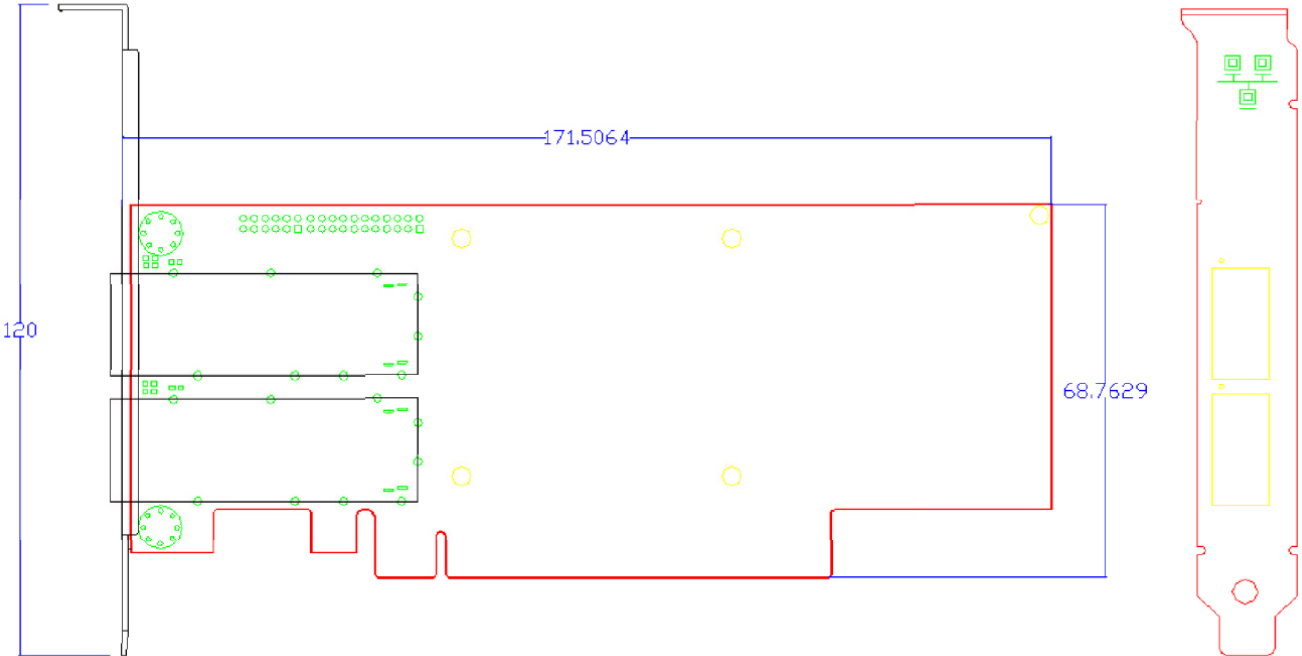
Product Description

This is a 100-Gigabit Ethernet PCIe 4.0 x16 network interface card with dual open QSFP28 ports that comply with IEEE 802.3 standards. It is based on an Intel XL710 chipset and is compatible with a variety of different applications and operating systems, including Windows, Linux and Unix-like systems. Providing 100Gbs of network speed, it fully supports high-end servers and various other networking applications. In addition, this card supports high level VLAN filtering, iWarp, and RoCE. The dual open QSFP28 ports allow users to choose from a range of QSFP28 transceivers to accommodate multi-mode (MMF) and single-mode (SMF) fiber, granting customizable reach. This product includes both half-height and full-height brackets. Our network interface cards are 100% compliant, and offer a cost effective solution for all of your network upgrade needs. With our certification test program, we guarantee your product will work right the first time.

Specifications

Parameter	Specification
Controller	Intel Chip
Baffle Height	Half height & full height baffle
Power Consumption	15.0W
System Support	Windows 7/8/8.1/10
	Windows Server 2008 R2/2012 R2/2016 R2/2019 R2;
	Linux Stable Kernel version 2.6.32.x/3.x/4.x/5.x or later;
	CentOS/RHEL 6.x / 7.x or later;
	Ubuntu 14.x/15.x/16.x or later;
	VMware ESX/ESXi 4.x/5.x/6.x or later
Bus Type	PCI Express v4.0 x16, Compatible with PCI Express v3.0
Data rate supported per port	100GbE
Connector	2*QSFP28
Technical Features	
Protocol Support	IEEE 802.3bj 100GBASE Ethernet IEEE 802.3x Full Duplex and flow control IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3ASIEEE 802.1Q VLAN IEEE 802.1Qaz IEEE 802.1Qbb IEEE 802.1x IEEE 802.1bd IEEE1588 v1&v2
iSCSI	Yes
Wal	No
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes
FCoE	No
ROMA (iWARP,RoCEv2)	Yes
Network Virtualization	SR-IOV, VxLAN, GENEVE, GRE
Environment Features	
Operating Temperature	0 °C to +55 °C (-40 °F to +131 °F)
Storage Temperature	-55 °C to +105 °C (-67 °F to +221 °F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
LED Indicators	
LED Indicators	100Gbps, Yellow Link + Green Blink
Physical Features	
Size (mm)	1171.5"120"21

Mechanical Specifications



About Us:

Proline Options is one of North America's leading providers of transceivers and high speed cabling. With a reputation for quality, tested products that cover the connectivity spectrum, Proline Options has a solution for you regardless of the specification.

At Proline Options, every product is tested in its intended application - never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

Tel: 855.933.3223

Email: sales@prolineoptions.com

Email: techsupport@prolineoptions.com

Web: <https://www.prolineoptions.com>