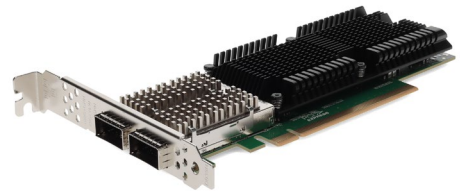**C-PCIE4-2QSFP28**

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 VSls
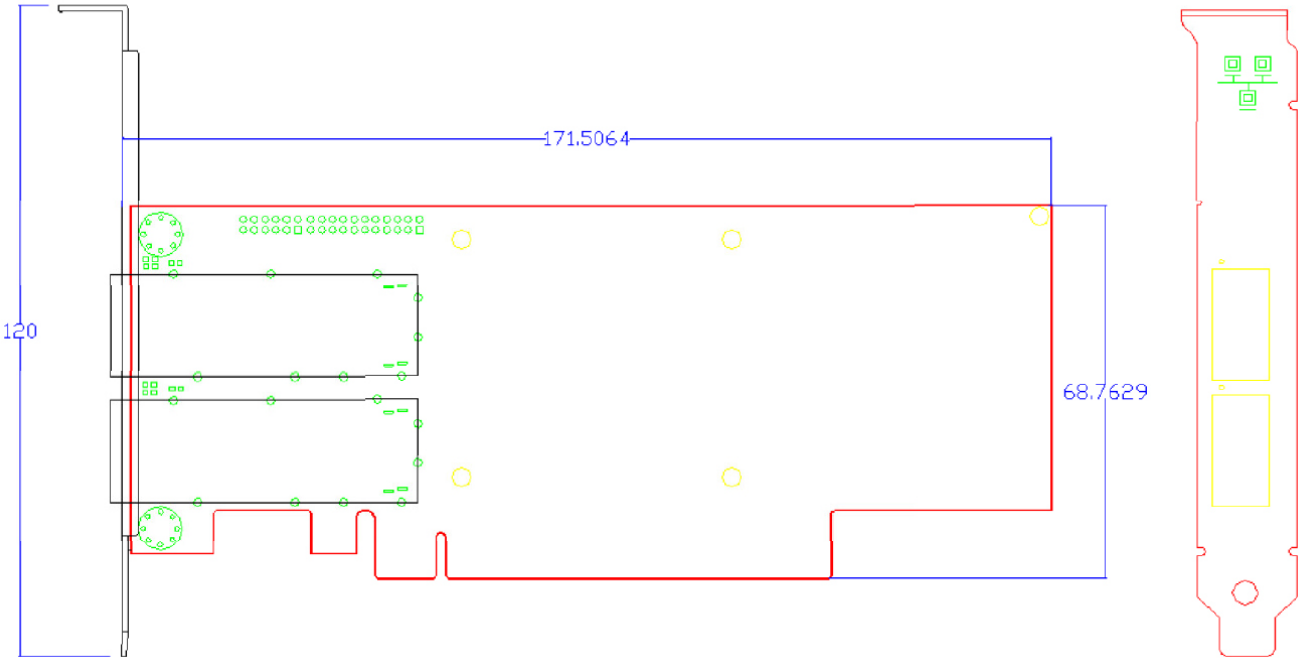- IEEE 1588 Precision Time Protocol (v1 and v2) with per-packet time stamping.

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 E810 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/S.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/S.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 ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.

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