

C-PCIE-1SFP+**10Gbs Single Open SFP+ Port PCIe 2.0 x8 Network Interface Card****Features**

- PCIe x4 single-port optical fiber 10G Ethernet network adapter
- Supports TCP/UDP/IP verification, offload, calculation tasks and TCP segmentation, etc.
- PCIe 2.0(5.0GT/S) X4, compatible with x8, x16
- Supports iSCSI, FCoE, PXE and other boots

**Product Description**

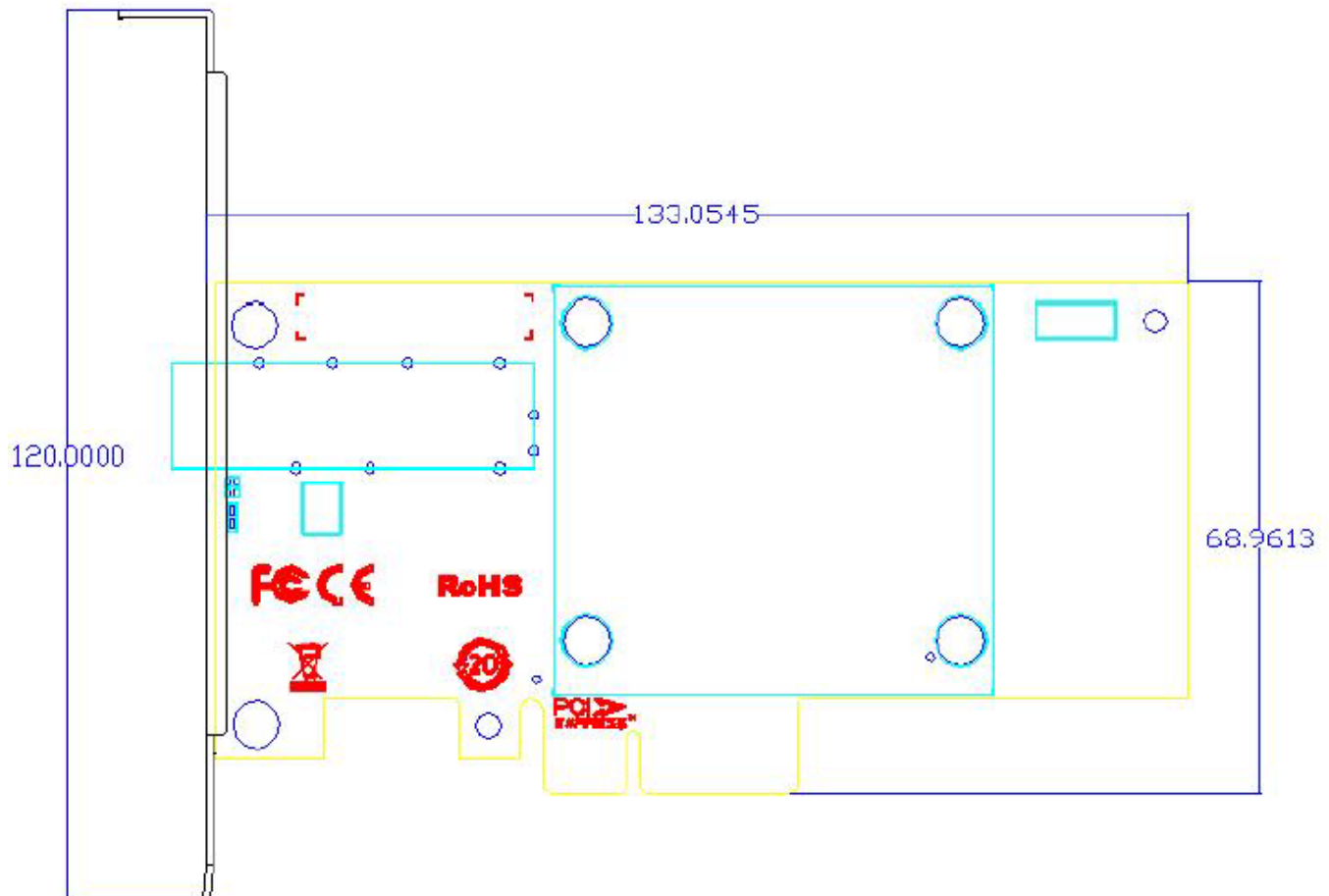
This is a 10-Gigabit Ethernet PCIe 2.0 x8 network interface card with a single open SFP+ port that complies with IEEE 802.3 standards. It is based on an Intel 82599 chipset and is compatible with a variety of different applications and operating systems, including Windows, Linux and Unix-like systems. Providing 10Gbs of network speed, it fully supports high-end servers and various other networking applications. In addition, this card supports high level VLAN filtering. The single open SFP+ port allows users to choose from a range of SFP+ 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	Specifications
Controller	Intel 82599
Cable Medium	Fiber Optics
Cable Type	10GBase-SR, 10GBase-LR, 10GBase-Cu
Bracket Height	Low Profile & Full Height
Power (Maximum)	4.80 W R3
System Support	Windows 7/8/8.1/10/11
	Windows Server 2003 R2/2008 R2/ 2012 R2/2016 R2/2019 R2/ 2022 R2
	Linux Stable Kernel Version 2.6.32.x/3.x/4.x or Later
	CentOS/RHEL 6.x / 7.x or Later
	Ubuntu 14.x/16.x or Later
	VMware ESX/ESXi 5.x/S.x/6.x or Later
	FreeBSD 9 / 10 / 11 or Later
	UOS V20 or Later
Bus Type	PCIe v2.0 (5.0GT/s) x4; Compatible x8 x16
Data Rate Supported Per Port	10Gbps
Connector	1*10G SFP+
Technical Features	
Ethernet Power Management	Yes
Protocol Support	IEEE802.3ae 10 Gigabit Ethernet Over Fiber IEEE 802.3x Full Duplex and Flow Control IEEE 802.1AS IEEE 802.1Q VLAN IEEE 802.3AD IEEE 1588 IEEE 802.3az - Energy-Efficient Ethernet (EEE)
PXE	Yes
iSCSI	Yes
FCoE	Yes
DPDK	Yes
WoL	No
VMDq	Yes
TOE (TCP/IP Offload Engine)	Yes
RSS	Yes
Jumbo Frames	Yes
PCI-SIG*SR-IOV	Yes

UEFI	Yes
Environmental Features	
Operating Temperature	0°C to 55 °C (32°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Humidity	Maximum: 90% Non-Condensing Relative Humidity at 35 °C

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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