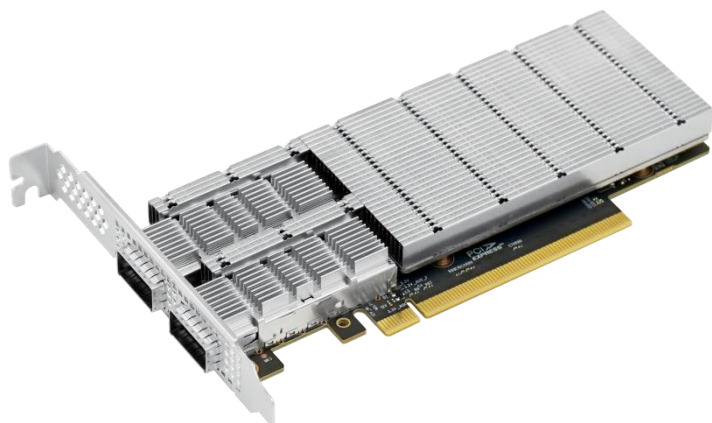


LRES1160PF-2QSFP56

PCIe x16 Dual-port 200G Ethernet Network Adapter

FC CE RoHS

Key Features:

- PCIe Gen 4.0x16
- 2*QSFP56
- 200/100/40GbE
- RDMA memory access
- 1588PTP v2

Overview

LRES1160PF-2QSFP56 is a PCIe x16 dual-port 200G QSFP56 Ethernet network adapter. Its master control technology and high-bandwidth PCIe x16 interface ensure excellent data processing speed under high-load environments, providing users with reliable and efficient network connections. The network card supports data transmission rates up to 200G, providing excellent bandwidth performance for modern high-demand network applications; supports RDMA (RoCEv2), which greatly reduces the CPU load and improves the overall performance and throughput of the system; supports GPU Direct, so that data can interact directly with the GPU without CPU participation, and has an unparalleled performance experience in high-load GPU scenarios such as AI/ML; In addition, LRES1160PF-2QSFP56 also supports virtualized network protocols such as VXLAN, Geneve, and NVGRE, enabling it to better handle network traffic and achieve flexible network isolation and management when building virtualized environments and cloud computing platforms.

Overall, the LRES1160PF-2QSFP56 network card has excellent hardware performance, network connection speed, and multi-function support, and is a leading product in the field of network communications. It is suitable for various application scenarios such as AI/ML, data centers, and high-performance computing.

Specifications

Model	LRES1160PF-2QSFP56
Cable Medium	Optical fiber
Bus Type	PCIe v4.0 (16GT/s) x16
Connectors	2 * QSFP56
Link Speed	40/100/200Gbps
Bracket Height	Low Profile & Full Height
Fiber Type	40GBASE-SR4 /40GBASE-LR4 /40GBASE-ER4
	100GBASE-SR4 /100GBASE-LR4 /100GBASE-ER4
	200GBASE-SR4 /200GBASE-LR4 /200GBASE-ER4
Min Power(w)	16.17
Max Power(w)	29.52
Power Supply	PCIe
Protocol Support	IEEE 802.3cd, 50, 100 and 200 Gigabit Ethernet IEEE 802.3bj, 802.3bm 100 Gigabit Ethernet IEEE 802.3by, Ethernet Technology Consortium 25, 50 Gigabit Ethernet IEEE 802.3ba 40 Gigabit Ethernet IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3az Energy Efficient Ethernet IEEE 802.3ap based auto-negotiation and KR startup IEEE 802.3ad, 802.1AX Link Aggregation IEEE 802.1Q, 802.1P VLAN tags and priority IEEE 802.1Qau (QCN) Congestion Notification IEEE 802.1Qaz (ETS) IEEE 802.1Qbb (PFC) IEEE 802.1Qbg
PXE	Yes
UEFI	Yes
1588 PTP	Yes
SR-IOV	Yes
RDMA	RoCEv2
Network Virtualization	VXLAN/NVGRE
ESD_Contact discharge	±8KV
Jumbo Frames	9.9KB

System Support	<ul style="list-style-type: none"> * Windows 10 /11 * Windows Server 2016/2019/2022 * Deepin 15.11 /20 /20.6 /20.9 * VMware ESXi 6.7 * RHEL/CentOS 7.6 /7.9 /8.2 /8.3 * Ubuntu 16.04.3 /18.04.5 * Ubuntu 20.04.3 /22.04.2/24.04.3 * SUSE 15.4 * Galaxy Kirin v10 SP1 * NeoKirin 7.6 * OpenKirin 2.0 	<ul style="list-style-type: none"> * FreeBSD 13.2 * NewStartOS 4.5.2 * UOS 20 * OpenEuler 24.03 * Debian 12.5.0 * FusionOS 23.06 * Rockey 9.4 * Fangde Desktop OS 4.0 * Fangde Server OS 5.0 * iKuai routing OS
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LED Indicators

200/100/40Gbps	Connection Status	Green
	Transfer status	Green Blink

Environment Features

Operating Temperature	-10°C to 60°C
Storage Temperature	-40 °C to 70 °C
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC, CE, RoHS

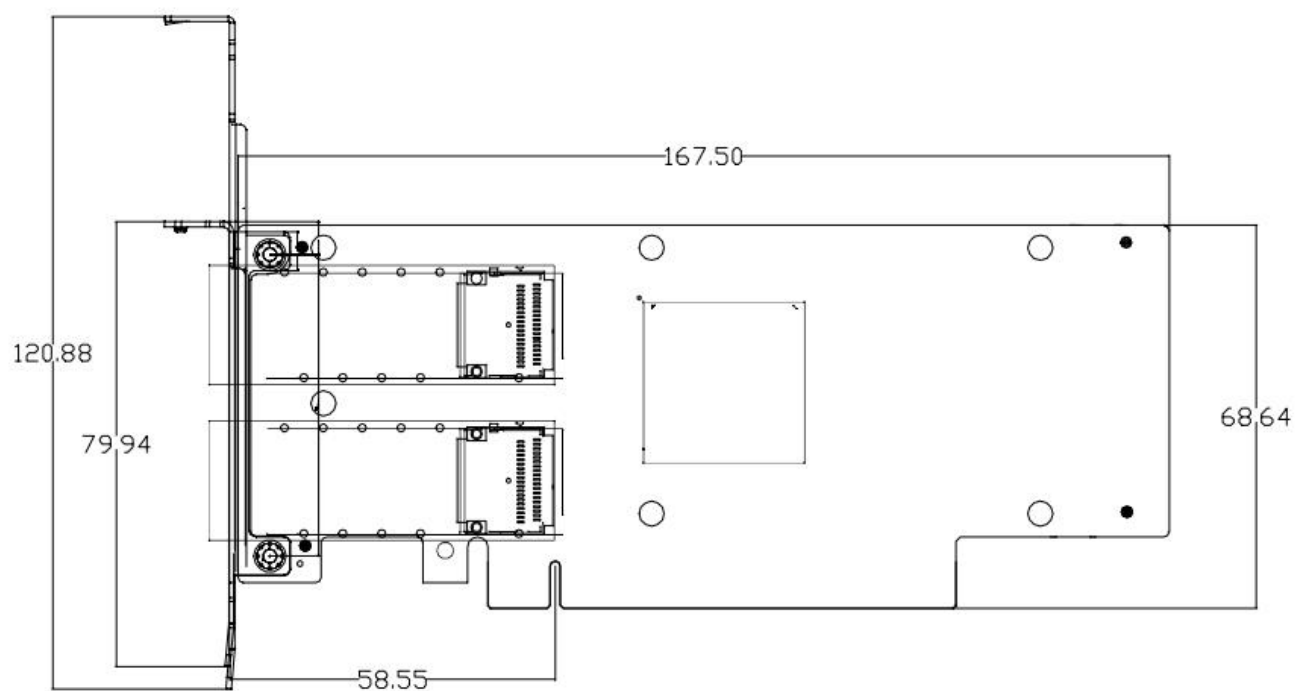
Physical Properties

PCB Size(Unit:mm)	68.64*167.5*1.6
Package Size (Unit: mm)	222*147*28

Packing List

Bracket	Full Height(installed) and Low Profile
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Blister Box

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