PEC-GE04S-FOC00

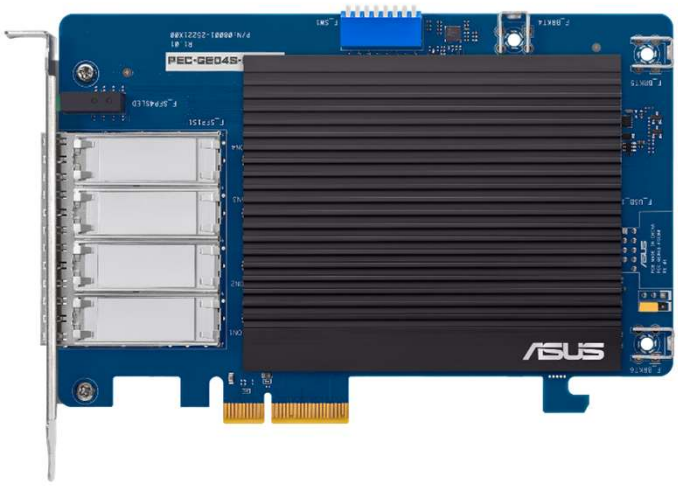
4-port Industrial-grade Gigabit Fiber Optic NIC card

Product Introduction

The ASUS IoT PEC-GE04S-FOC00 is a 4 port PCIe Network Interface Card featuring four independent 1000BaseF(X) SFP Slot, fully compliant with IEEE 802.3 standards. Designed for scientific research instruments, medical research applications, and machine vision systems, the PEC-GE04S-FOC00 fiber optic card is beneficial for edge site applications requiring long-distance communication and can also be used for uplinks to data centers or cross-region connectivity. With support for various Single-mode and Multi-mode SFP modules, it enables flexible installation and ensures future-proof expansion capabilities.

Key Features

- Intel® I350-AM4 LAN controller, Full size card.
- PCI Express® Gen 2 x 4 compliant
- Support 30µ golden finger
- 4x 1Gbps ports, 1000Base FX (SM, MM), SFP
- Supports Jumbo frame (9K Byte)
- Supports IEEE 802.3, IEEE 802.3u, IEEE802.3ab,IEEE802.3x
- 3 years warranty, Industrial Grade, rugged design.
- Wide temperature Range: -40~75°C (Max. 85 °C in short period)
- Industrial Grade, rugged fan-less design.
- EN61000-6-4/-6-2 Heavy Industry, compliant
- EN-50121-4 NEMA TS2 compliant



Specifications

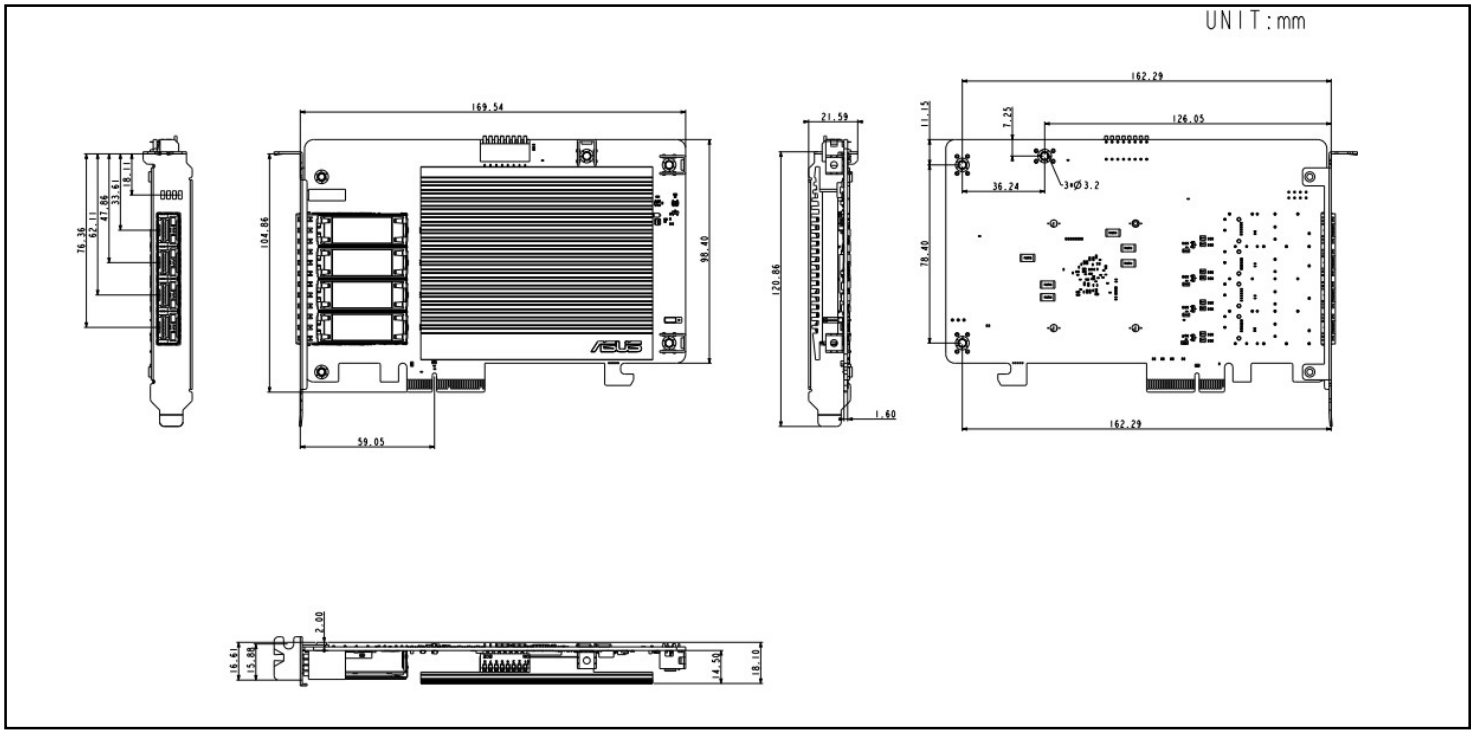
Basic Information	
Chipset	Intel I350-AM4
Lithography	28nm
Interface	1000BASE-FX
Card Size	Full size
Port No.	4
Operating temperature	-40~75°C
Jumbo frame	9K
Flow Control (PAUSE Frame)	YES
Power Input (System)	PCIE
Power Consumption	YES
30µ golden finger	YES
Weight (g)	255
OS support	
Windows® 10 IoT Enterprise	YES
Windows® 10 (64bit)	YES
/WIN11	YES
Ubuntu	YES
Linux2.X, RHEL, SLES	YES
FreeBSD	YES

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PoE specification	
PoE on/off control (DIP)	N/A
PoE Max. power budget	N/A
PoE Standard	N/A
External Power Input (12~48VDC)	N/A
Boost mode	N/A
Fiber Optic	
SFP slot	4
SFP+ slot	N/A
SFF (Single-mode)	N/A
SFF (Muli-mode)	N/A
Connector	
RJ45 Connector	N/A
M12 Connector	N/A
LC Connector	4
EMS	
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV, Criteria A IEC 61000-4-3 RS: 80 MHz to 800 MHz: 10 V/m IEC 61000-4-3 RS: 800 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 Kv IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF: 100 A/m
Protection	
ESD Protection	8K/15K, Criteria A
Overcurrent protection	YES
LAN Surge protection	N/A
Certification	
EN-50121-4	YES
EN50155	N/A
EN61000-6-4	YES
EN61000-6-2	YES
IEC61850-3	N/A
IEEE1613	N/A
Mounting	
Extra mounting screw	3
PCIE Slot	YES
PCIE Socket	YES
Ethernet Standard	
IEEE 802.3 for 10BaseT	support
IEEE 802.3u for 100BaseT(X)/F(X)	support
IEEE 802.3ab for 1000BaseT(X)	support
IEEE 802.3x for flow control	support
IEEE 802.3z for 1000BaseX	support
IEEE 802.3az for EEE	support
IEEE 802.1p/Q	support
IEEE 802.3af/at	N/A
IEEE 1588 PTP v2	support
Environmental Specification	
Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Intel® Virtualization Technology for Connectivity	
On-chip QoS and Traffic Management	YES
Virtual Machine Device Queues (VMDq)	YES
PCI-SIG* SR-IOV Capable	YES
Advanced Technologies	
IEEE 1588	YES
MACsec IEEE 802.1 AE	NO
Supported Under Intel vPro® Technology	NO
iWARP/RDMA	NO
RoCEv2/RDMA	NO

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Dimension Diagram (mm)



Ordering Information

Model name	Part number	Description
PEC-GE04S-FOC00	90ME0AL0*	PEC-GE04S-FOC00//NIC CARD,I350-AM4,4PORT,1GB,FIBER SFC

* The part number might vary for different regulations and package. Please consult the TPM in your region for exact 90PN.

Packing list

Part number	Description	Quantity
13010*	DUST COVER FOR OPTICAL FIBRE BLACK	4

* The part number might vary due to part number revision.

Warranty

3years

*About extent warranty, please contact TPM for more detailed

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