

MEC-LAN-P002

PCI-e 2 port 10/100/1000 Ethernet card with PoE+ Module



- Quad-Lane (x4) PCI-Express with throughput up to 5.0/2.5Gbps
- Fully compliant with PCI-Express Base Specification Rev. 2.0
- Integrated 10/100/1000Mbps transceiver
- Support two isolated GbE LAN ports
- Two independent PSE channels
- Support Wake-on-LAN
- Complies with IEEE 802.3at
- Support power input 12V ~ 24V from 6pin PCIE-ATX



Overview

MEC-LAN-P002 is a dual isolated GbE LAN module for embedded PC. The card follows the PCI-e standard which is compliant with PCI Express x 4 classification. This board fits in any host computer that has PCI-e card slots. MEC-LAN-P002 is a highly cost-effective solution to expand Gigabit network for your computer. External Power over Ethernet Plus (PoE+) module ensures reliable power and data transfer and supplies more power than standard PoE.

Top Performance

MEC-LAN-P002 has two Ethernet ports that support auto-negotiation 10/100/1000Mbps Ethernet connection with IEEE 802.3x flow control.

Intel Ethernet Chipset

MEC-LAN-P002 uses high performance, efficiency, and stability Intel I210 Gigabit Ethernet Controller.

High Usability

MEC-LAN-P002 is designed with flexibilities for many different application and accessories (heat sink, bracket) are included in the standard package.

Specifications

General

PCI-Express Revision:

PCI-Express Base Specification Rev. 2.0

PCI-Express Electromechanical Revision:

PCI-Express Base Specification Rev. 2.0

Form Factor

Standard PCI-Express GEN2x4

Interface (Connector)

Ethernet 10/100/1000: 2 (RJ45)

Hardware

Controllers: Intel I210 x 2

Bus: Quad-Lane (x4) PCI-Express with throughput up to 5.0/2.5Gbps

Technology

- Standard:**
- IEEE 802.3 for 10BaseT
 - IEEE 802.3u for 100BaseT(X)
 - IEEE 802.3ab for 1000BaseT(X)
 - IEEE 802.3z for 1000BaseX
 - IEEE 802.3af
 - IEEE 802.3at

Flow Control: IEEE 802.3x flow control

Wake on LAN: Yes

Isolated GbE LAN port: Yes

Isolated PoE+: No

Driver Support

Operating Systems: Win 7, Win 8, Win 10

Dimensions

Width x Length (mm): 168.00 x 111.00

Power Requirement

Power Consumption: 900mA@3.3

PoE+: Maximum 5A @ 12V w/PCIe slot

(Max. 50W PoE+ power w/PCIe slot)

Maximum 5.6A @ 12V w/6 pin PCIE-ATX

(Max. 60W PoE+ power w/PCIE-ATX power, supporting each port up to 25.5W)

Environmental Limits

Operating Temperature: 0°C ~ 70°C

Storage Temperature: -40°C ~ 125°C

Humidity: 5% ~ 95%

Regulatory Approvals

EMC: CE, FCC

EMI: EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class B

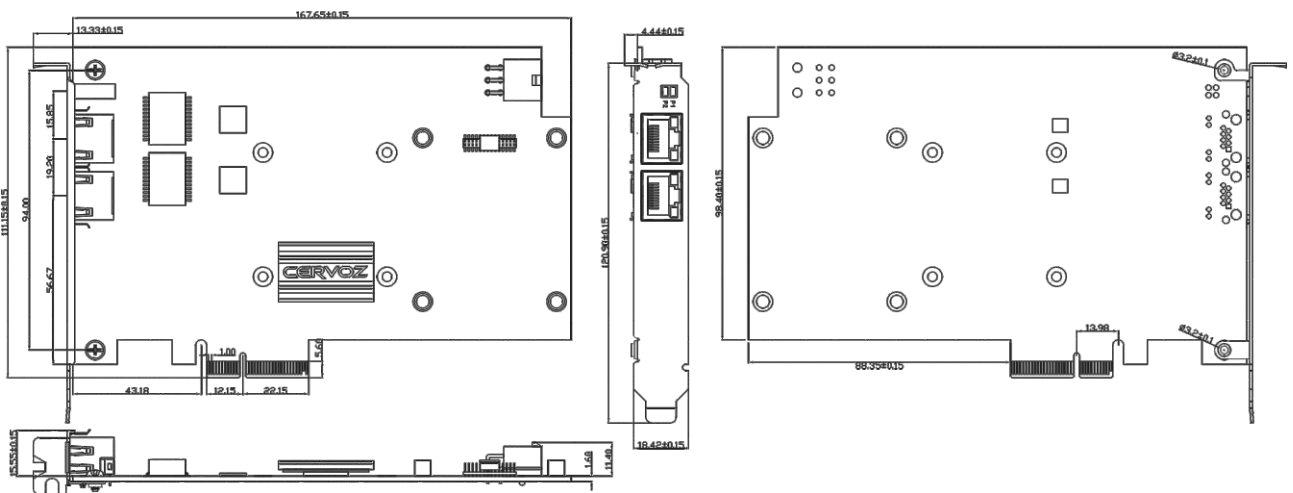
EMS: EN 55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

Reliability

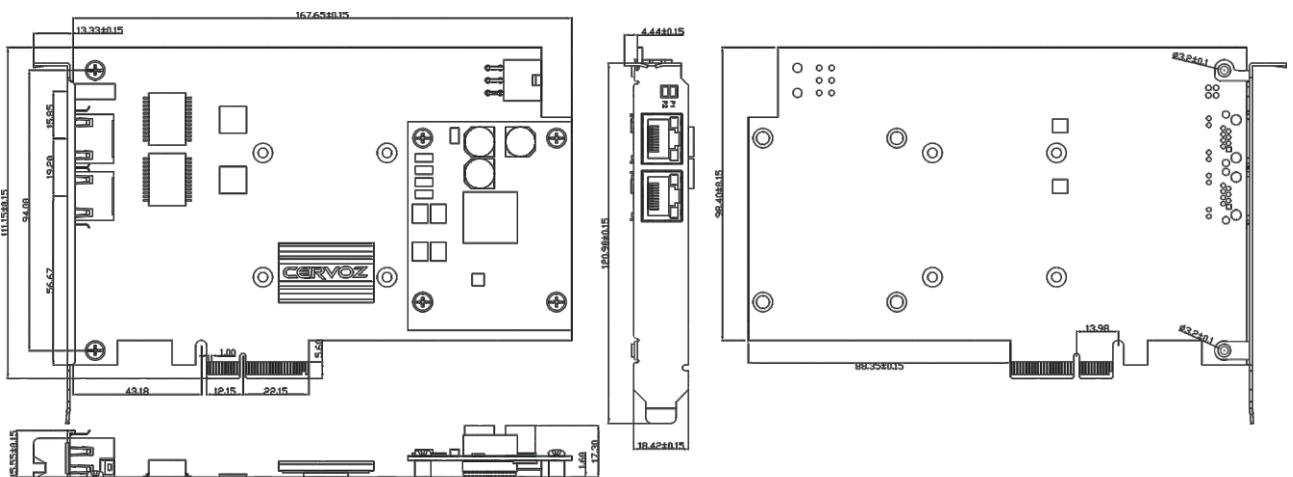
Warranty: 3 years

Dimensions

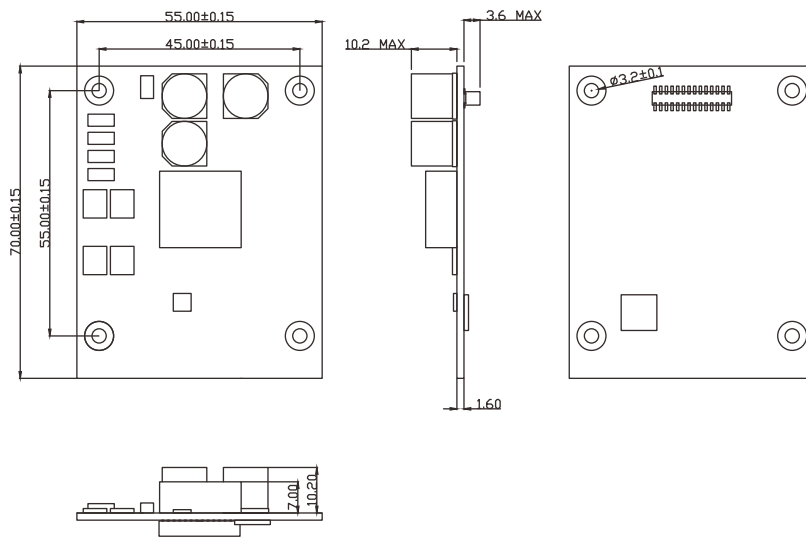
MEC-LAN-P002



MEC-LAN-P002P



PoE+ Module



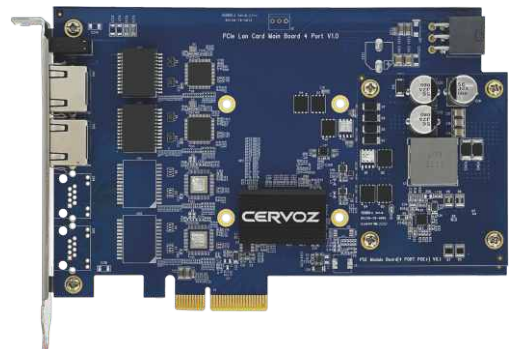
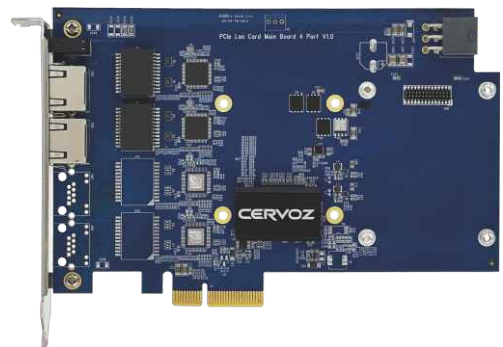
Package Checklist

MEC-LAN-P002

- PCI-e LAN Card x1
- Bracket x1
- Quick Installation Guide (Printed) x1

MEC-LAN-P002P

- PCI-e LAN Card x1
- PoE+ Module x1
- Bracket x1
- Quick Installation Guide (Printed) x1



Ordering Information

Available Models

MEC-LAN-P002 PCI-e 2 port 10/100/1000 Ethernet card

MEC-LAN-P002P PCI-e 2 port 10/100/1000 Ethernet card with PoE+ Module