## MEC-LAN-P004

## PCI-e 4 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 four isolated GbE LAN ports
- Four independent PSE channels
- Support Wake-on-LAN
- Complies with IEEE 802.3at
- Support power input 12V ~ 24V from 6pin PCIE-ATX













## Overview

MEC-LAN-P004 is a guad 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-P004 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-P004 has four Ethernet ports that support auto-negotiation 10/100/1000Mbps Ethernet connection with IEEE 802.3x flow control.



## **Intel Ethernet Chipset**

MEC-LAN-P004 uses high performance, efficiency, and stability Intel I210 Gigabit Ethernet Controller.



## **High Usability**

MEC-LAN-P004 is designed with flexibilities for many different application and accessories (heat sink, bracket) are included in the standard package.

## **Specifications**

**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: 4 (RJ45)



### Hardware

Controllers: Intel I210 x 4

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**

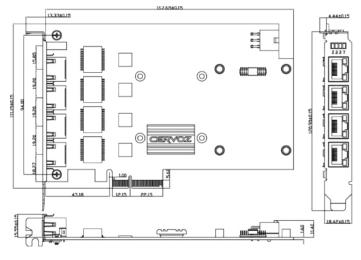
Operating Systems: Win 7, Win 8, Win 10

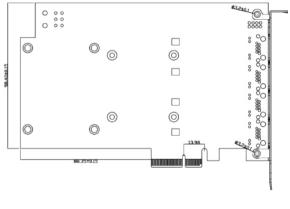
### **Dimensions**

Width x Length (mm): 168.00 x 111.00

## **Dimensions**

### MEC-LAN-P004





**Power Requirement** 

**Environmental Limits** 

**Humidity:** 5% ~ 95%

**Regulatory Approvals** 

FCC Part 15 Subpart B Class B

IEC 61000-4-8, IEC 61000-4-11

EMC: CE. FCC

Reliability

Warranty: 3 years

Power Consumption: 1273mA@3.3

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

Operating Temperature:  $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ 

Storage Temperature: -40°C ~ 95°C

EMI: EN 55032, EN61000-3-2, EN61000-3-3,

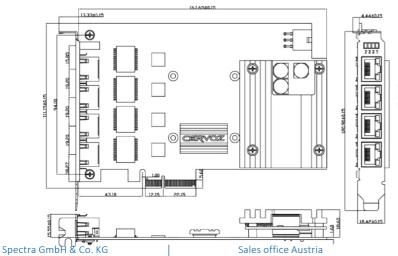
EMS: EN 55024, IEC 61000-4-2, IEC 61000-4-3,

IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6,

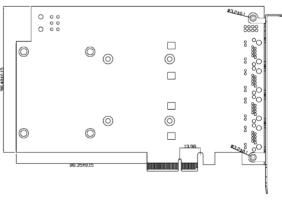
Maximum 10A @ 12V w/ 6 pin PCIE-ATX

### MEC-LAN-P004P

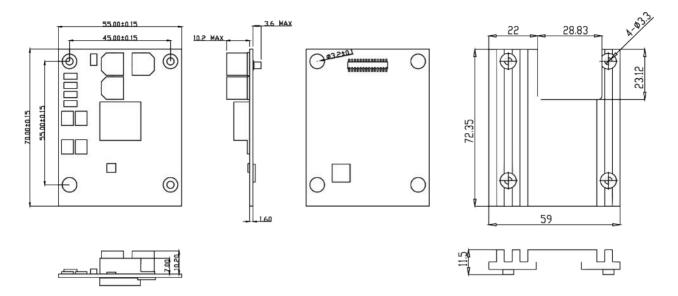
sales@spectra.de



sales@spectra-austria.at



### PoE+ Module (with Heatsink)





## Package Checklist

## MEC-LAN-P004

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

### MEC-LAN-P004P

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





# **Ordering Information**



## **Available Models**

### **Available Models**

MEC-LAN-P004 PCI-e 4 port 10/100/1000 Ethernet card

MEC-LAN-P004P PCI-e 4 port 10/100/1000 Ethernet card with PoE+ Module