

Overview

MEC-LAN-P014 is a quad 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-P014 is a highly cost-effective solution to expand Gigabit network for your computer. External Power over Ethemet Plus (PoE+) module ensures reliable power and data transfer and supplies more power than standard PoE. MEC-LAN-P014 with special M12 connection design provides extremely ruggedness and reliability for Ethemet devices.

Top Performance

MEC-LAN-P014 has four Ethernet ports that support auto-negotiation 10/100/1000Mbps Ethernet connection with IEEE 802.3x flow control.

Intel Ethernet Chipset

MEC-LAN-P014 uses high performance, efficiency, and stability Intel I210 Gigabit Ethernet Controller.

High Usability

MEC-LAN-P014 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

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Form Factor

Standard PCI-Express GEN2x4 Interface (Connector) Ethernet 10/100/1000: 4 (M12 x code)

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spectra

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-P014

Power Requirement

Power Consumption: 1390mA@3.3 PoE+: Maximum 5A @ 12V w/PCIe slot (Max. 50W PoE+ power w/PCIe slot) Maximum 11A @ 12V w/6 pin PCIE-ATX (Max. 120W PoE+ power w/PCIE-ATX power, supporting each port up to 25.5W)

Environmental Limits

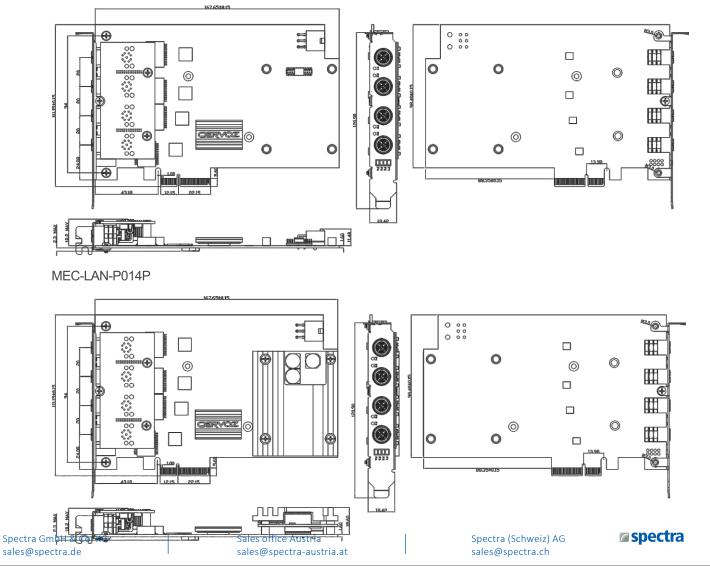
Operating Temperature: $0^{\circ}C \sim 70^{\circ}C$ Storage Temperature: $-40^{\circ}C \sim 125^{\circ}C$ Humidity: $5\% \sim 95\%$

Regulatory Approvals

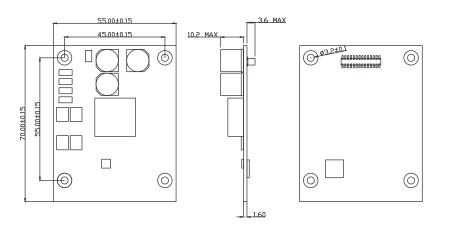
EMC: CE, FCC EMI: EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class B EMS: EN 55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

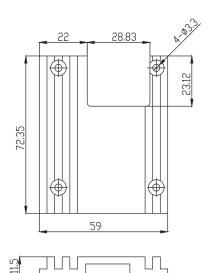
Reliability

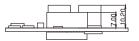
Warranty: 3 years



PoE+ Module (with Heatsink)







Package Checklist

MEC-LAN-P014

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

MEC-LAN-P014P

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

Ordering Information

Available Models

MEC-LAN-P014PCI-e 4 port 10/100/1000 Ethernet card with M12 x-coded ConnectorsMEC-LAN-P014PPCI-e 4 port 10/100/1000 Ethernet PoE+ card with M12 x-coded Connectors





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