



CERVOZ

MEC-LAN-PL104

PCI-e low profile 4 port 10/100/1000 isolated Ethernet board

Product Datasheet



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Revision History

Date	Revision	Description
2024.03.25	1.0	First Released



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1. Product Overview

1.1 Introduction

MEC-LAN-PL104 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-PL104 is a highly cost-effective solution to expand Gigabit network for your computer, desktop tower, mini workstation, or server computer.

MEC-LAN-PL104 has four Ethernet ports that support auto-negotiation 10/100/1000Mbps Ethernet connection with IEEE 802.3x flow control.

MEC-LAN-PL104 uses high performance, efficiency, and stability Intel I210 Gigabit Ethernet Controller.

MEC-LAN-PL104 is designed with flexibilities for many different application and accessories (standard bracket and low profile bracket) are included in the standard package.

1.2 Feature

- Quad-Lane (x4) PCI-Express with throughput up to 5.0/2.5GT/s
- Fully compliant with PCI-Express Base Specification Rev.2.0
- Integrated 10/100/1000Mbps transceiver
- Support four isolated GbE LAN ports
- Support Wake-on-LAN
- Smaller than low profile form factors

2. Product Specifications

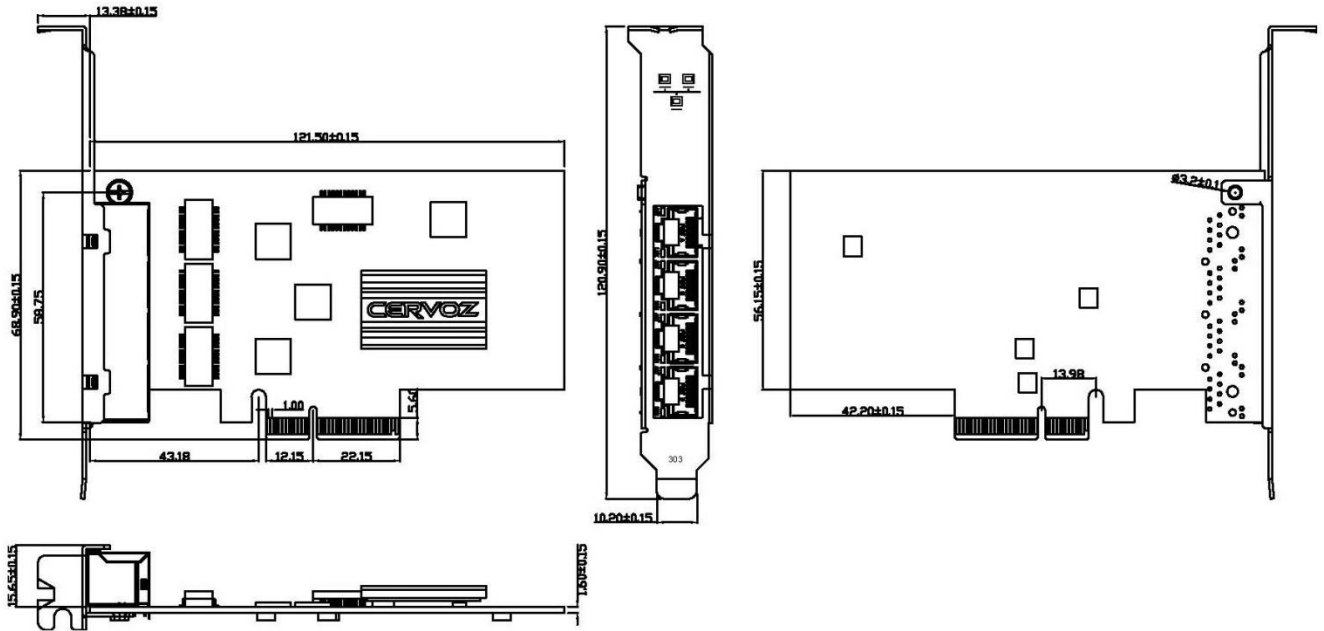
General	
PCI-Express Revision	PCI-Express Base Specification Rev. 2.0
PCI-Express Electromechanical Revision	PCI-Express Base Specification Rev. 2.0
Hardware	
Controller	Intel I210 x4
Bus	Quad-Lane (x4) PCI-Express with throughput up to 5.0/2.5GT/s
Interface (Connector)	
Ethernet 10/100/1000Mbps	4 (RJ45)
Technology	
Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-T(X) IEEE 802.3ab for 1000Base-T(X) IEEE 802.3z for 1000Base-X
Flow Control	IEEE 802.3x flow control
Wake On LAN	Yes
Isolated GbE LAN port	Quad
Driver Support	
Operating Systems	Win 7(32bit and 64bit), Win 8, Win 10, Win 11
Power Requirement	
Power Consumption	1265mA @3.3V
Dimensions	
Width x Length (mm)	68.90 x 121.50
Environmental Limits	
Operating Temperature	0 ~70°C
Storage Temperature	-40 ~ 125°C
Humidity (non-condensing)	5% ~ 95%



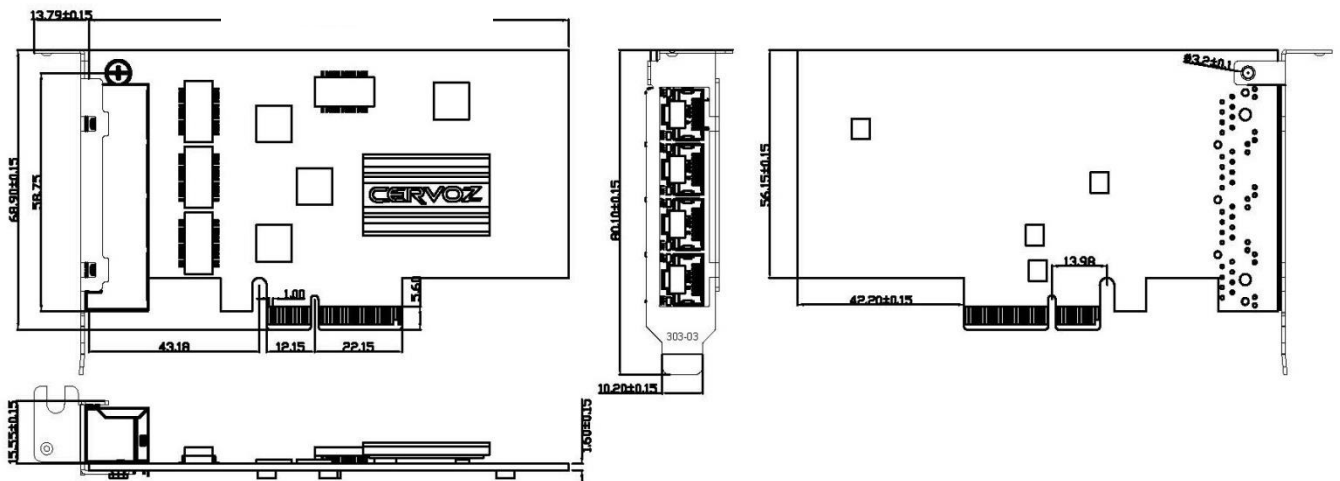
Regulatory Approvals	
EMC	CE, FCC, UKCA
EMI	EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, Class B
EMS	EN 55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
Reliability	
Warranty	3 years
MTBF	6,329,507 Hours

3. Dimensions

3.1 with standard bracket



3.2 with low profile bracket



4. Package Checklist

- PCI-e Low Profile LAN Card (with Heatsink x1) x 1
- Standard Bracket x 1
- Low Profile Bracket x 1
- Quick Installation Guide (Printed) x 1

