

MIOe-220

3 x Intel® Gigabit Ethernet® Gigabit Ethernet

Startup Manual

Packing List

Before you begin installing your board, please make sure that the following items have been shipped:

- 1 x MIOe-220 SBC
- 1 x Startup Manual (P/N 2006E22000)

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Note1: For detailed contents of MIOe-220, please refer to information on the support website: <http://support.advantech.com.tw/>

Note2: Adobe Reader is required to view any PDF file. Adobe Reader can be downloaded at: <http://get.adobe.com/tw/reader/otherversions/> (Adobe is the trademark of Adobe Systems Incorporated)

Specifications

General

- **CPU:**
 - MIOe-220-L3A1E 3 x Intel® Gigabit Ethernet without PCIe Switch
 - MIOe-220-B3A1E 3 x Intel® Gigabit Ethernet with PCIe Switch (for MIO-5250 /MIO-5251/MIO-5271)
- **Chipset:** Intel® 82583V Gigabit Ethernet Controller
- **PCIe Switch:** PLX PEX8605
- **Port:** 3 x RJ45
- **Speed:** 10/100/1000 Mbps

Mechanical and Environmental

- **Dimensions (L x W x H):** 102 x 83 x 33 mm (4" x 3.2" x 1.3")
- **Weight:** 0.182 kg (0.401 lb)
- **Operating Temperature:** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity:** 0% ~ 90% relative humidity, non-condensing
- **Storage Temperature:** -40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
- **Power Supply:** Voltage Supported by MI/O Extension SBC

Connectors

The board has a number of connectors that allow you to configure your system to suit your application.

The table below lists the function of each of connectors.

Connectors	
Label	Function
CN1	MIOe I/O Module
CN3	LAN1 RJ45
CN5	LAN2 RJ45
CN7	LAN3 RJ45

For more information on this and other Advantech products, please visit our website at:

<http://www.advantech.com>

<http://www.advantech.com/eplatform>

For technical support and service, please visit our support website at:

<http://support.advantech.com.tw/>

This manual is for the MIOe-220.

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Connector Locations

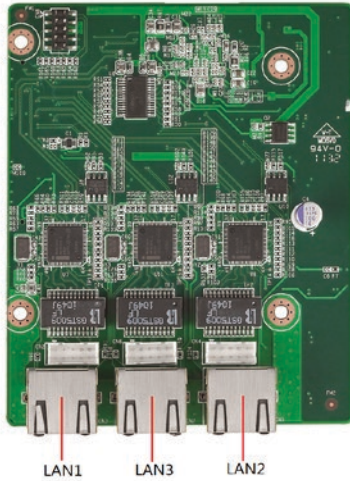


Figure 1: MIOe-220 Connector Locations (Top Side)

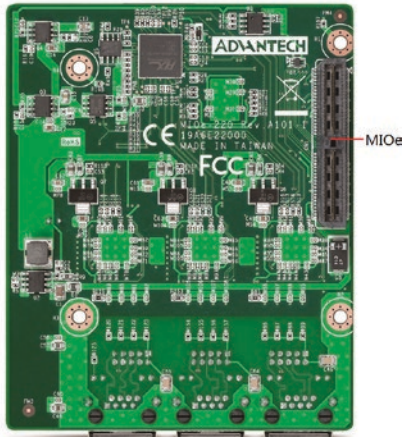


Figure 2: MIOe-220 Connector Locations (Bottom Side)

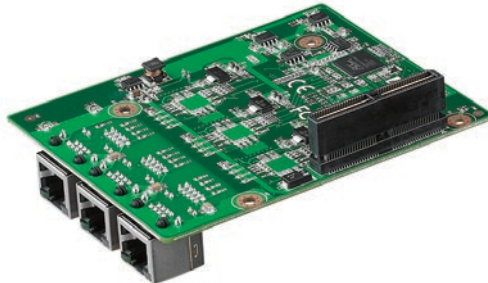


Figure 3: MIOe-220 Connector Locations (Coastline)

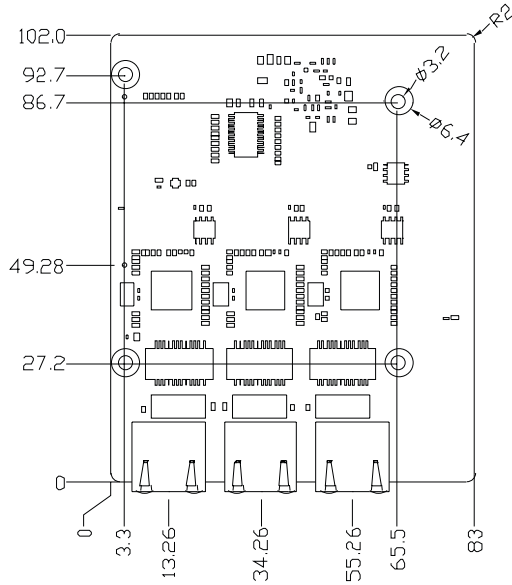


Figure 4: MIOe-220 Mechanical Drawing (Top Side)

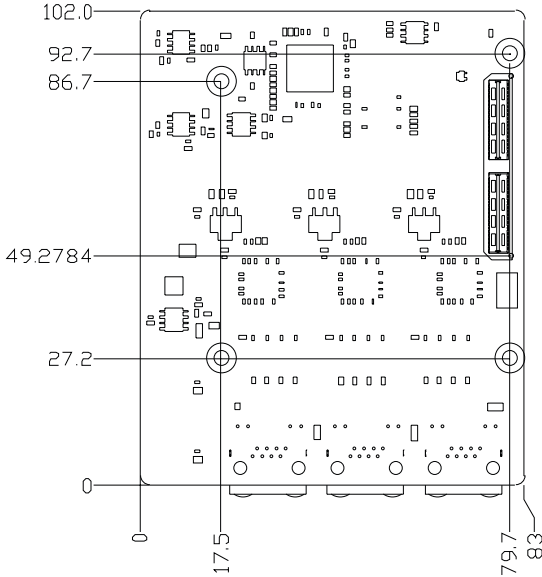


Figure 5: MIOe-220 Mechanical Drawing (Bottom Side)

Mechanical Drawing

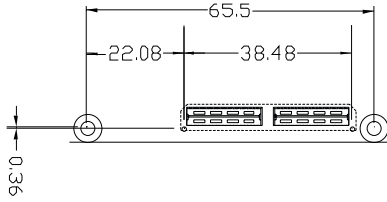


Figure 6: MIOe-220 Mechanical Drawing (MIOe Connector)

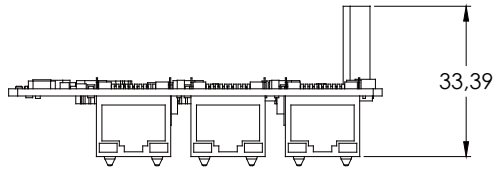


Figure 7: MIOe-220 Mechanical Drawing (Coastline)

Quick Installation Guide

1. There are eight screws, six studs and two nuts inside the white box, please install the heatsink into place as per illustration below:

