

PER-C33L

Intel® 82574
Four PCI-Express 10/100/1000
Ethernet Module

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Packing List

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

- 1 PER-C33L Ethernet Module
- 1 CD-ROM for manual (in PDF format) and drivers

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

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Chapter

1

**General
Information**

1.1 Introduction

The PER-C33L comes with four PCI-Express 10/100/1000Base-TX Ethernet Module that is suitable for high performance network appliances. This Ethernet module extends the PCI-Express interfaces and provides higher speed and performance of communications in any compatible AAEON products.

The PER-C33L features four copper LAN ports that support 10/100/1000 Base-TX network speed to fulfill the demands of flexible network expansion. Moreover, the PER-C33L accommodates four PCI-Express [x1] or optional PCI-Express [x4] if you require a different expansion interface. PER-C33L will be a great solution to keep an existing system a better extension.

1.2 Features

- Four PCI-Express Host Interface
- Four 10/100/1000Base-TX Cooper Ethernet Ports
- Supports Two-Port Bypass Function

1.3 Specifications

System

- Chipset: Intel® PCI-Express
10/100/1000Mb LANs, RJ-45
connector x 4, 2-port bypass
function (LAN2 & LAN3)
- Expansion Interface: PCI-Express [x1] x 4 or
PCI-Express [x4] x 1 (PLX 8508
optional)
- Power Supply Request: From PCI-Express connector
- Operating Temperature: 32°F~140°F (0°C~60°C)
- Dimension: 5.4" x 3.5" (137.8mm x 88mm)
- EMC: CE/FCC Class A

Chapter

2

**Quick
Installation
Guide**

2.1 Safety Precautions

Warning!

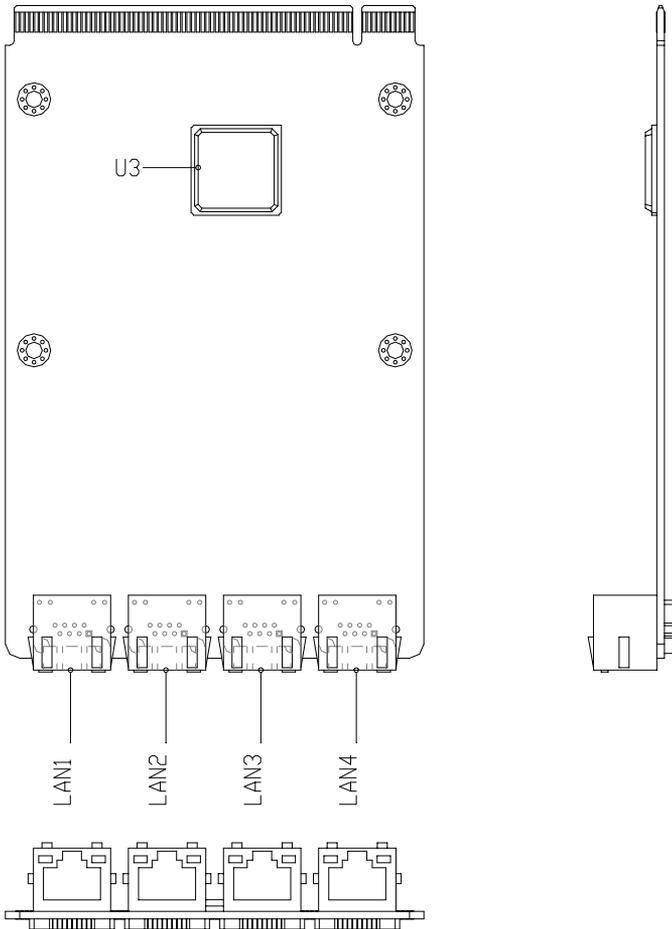
Always completely disconnect the power cord from your board whenever you are working on it. Do not make connections while the power is on, because a sudden rush of power can damage sensitive electronic components.

Caution!

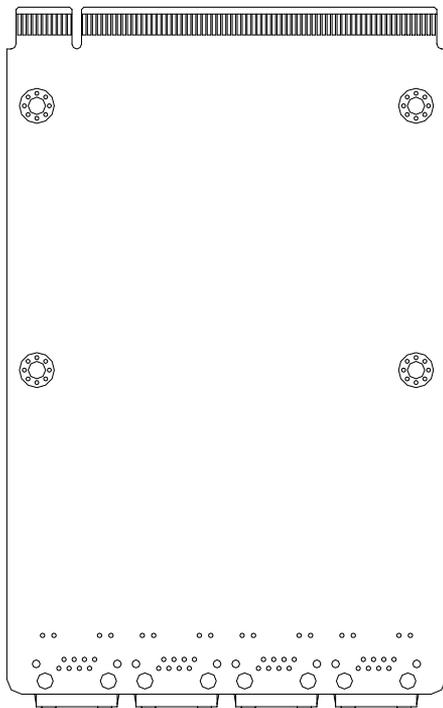
Always ground yourself to remove any static charge before touching the board. Modern electronic devices are very sensitive to static electric charges. Use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielded bag when they are not in the chassis

2.2 Location of Connectors and Jumpers

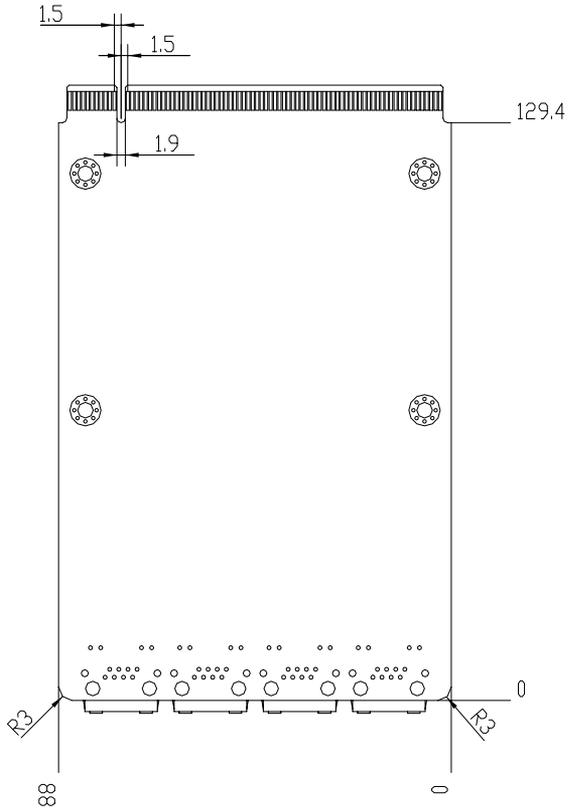
Component Side



Solder Side

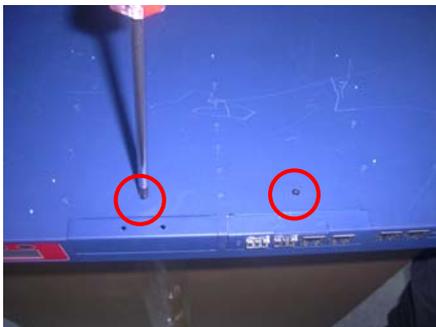


Solder Side



2.4 LAN Module Installation

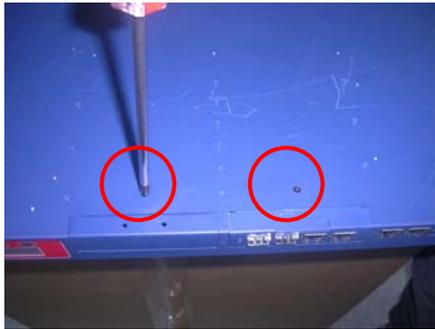
Step 1: Loosen the screws in the back of chassis



Step 2: Remove the null Module cover or LAN module



Step 3: Insert the LAN Module and fasten the screw



Below Table for China RoHS Requirements

产品中有毒有害物质或元素名称及含量

AAEON Main Board/ Daughter Board/ Backplane

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板 及其电子组件	×	○	○	○	○	○
外部信号 连接器及线材	×	○	○	○	○	○
<p>O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。</p> <p>X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。</p> <p>备注: 此产品所标示之环保使用期限, 系指在一般正常使用状况下。</p>						

Chapter

3

**Driver
Installation**

3.1 Installation:

Insert the PER-C33L CD-ROM into the CD-ROM Drive. And follow the instructions to install the driver. you can activate the installation items through Autorun program which will install each driver directly.

1. Click on the **LAN** folder and select the OS your system is
2. Double click on the **.exe** file locates in each OS folder
3. Follow the instructions that the window shows
4. The system will help you install the driver automatically

If your system do not support Autorun program or you cannot install drivers successfully, please read instructions below for further detailed installations.

1. Go to **My Computer** and click on the right of mouse, select **Properties**
 2. Select **Hardware**
 3. Enter **Device Management**
 4. Select your LAN card and click on the right of mouse
 5. Select **Update your driver** and follow the instructions that the window show
 6. Select to **install from CD-ROM**
 7. Click on the **PER-C33L (depends on the chip your card supports)** folder
 8. Choose the OS your system is
 9. The system will help you install the driver automatically
 10. Please re-start your computer
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