MiniPCI-L-8100

MiniPCI LAN Module

User's Manual

(Revision 1.0A)

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Trademarks Acknowledgment

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Chapter 1

Introduction

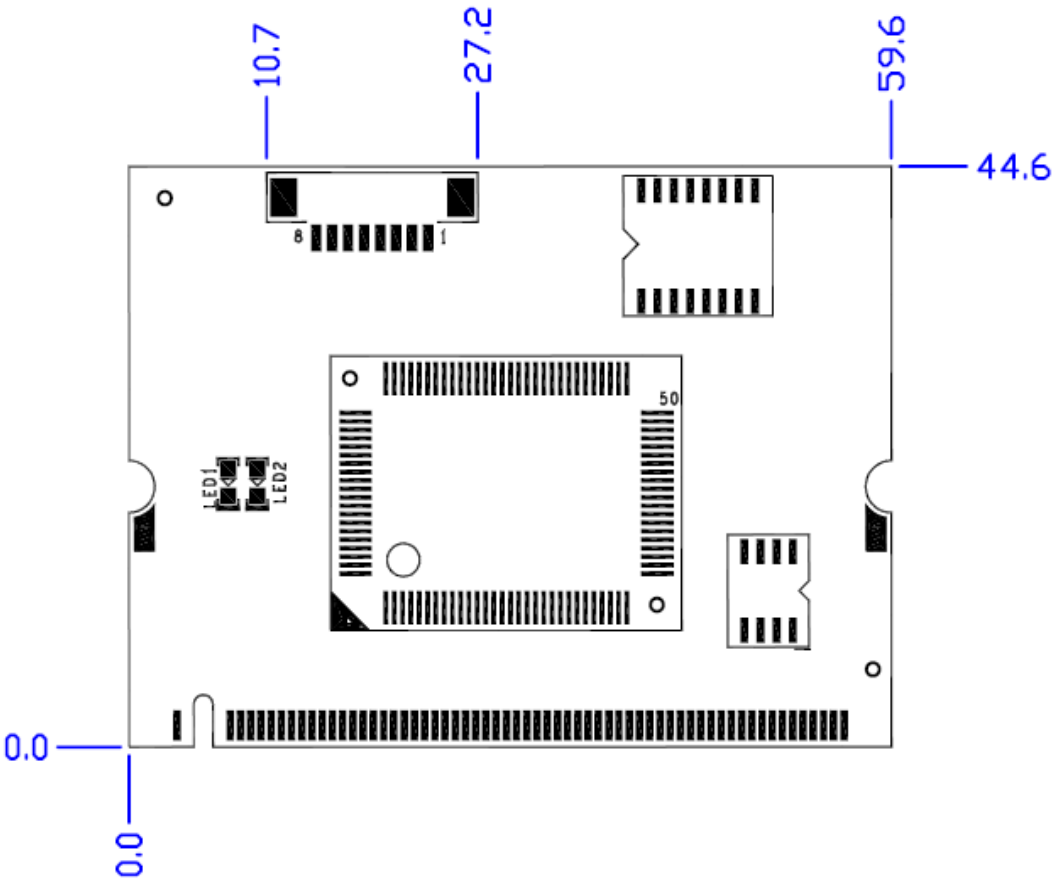
1.1 Packing List

Product Name	Package
MiniPCI-L-8100	• Mini-PCI LAN module x1 • CABLE-MINIPCI-L-30CM x 1

1.2 Specifications

Features	MiniPCI-L-8100
Chipset	Realtek 8100B 10/100 Mbps Ethernet Controller Integrated Fast Ethernet MAC, Physical chip and transceiver in one chip Supports 10 Mbps and 100 Mbps N-way Auto-negotiation operation Supports Full Duplex Flow Control (IEEE 802.3x) Half/Full duplex capability Compliant to PC99/PC2001
Bus Interface	Mini-PCI standard compliant
Connectors	1.25mm 8-pin wafer for LAN x1
Power Requirement	Single Voltage +5V @40mA
Dimension	64.7mm X 44.6mm (2.54 x1.76 inches)
Weight	9g
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

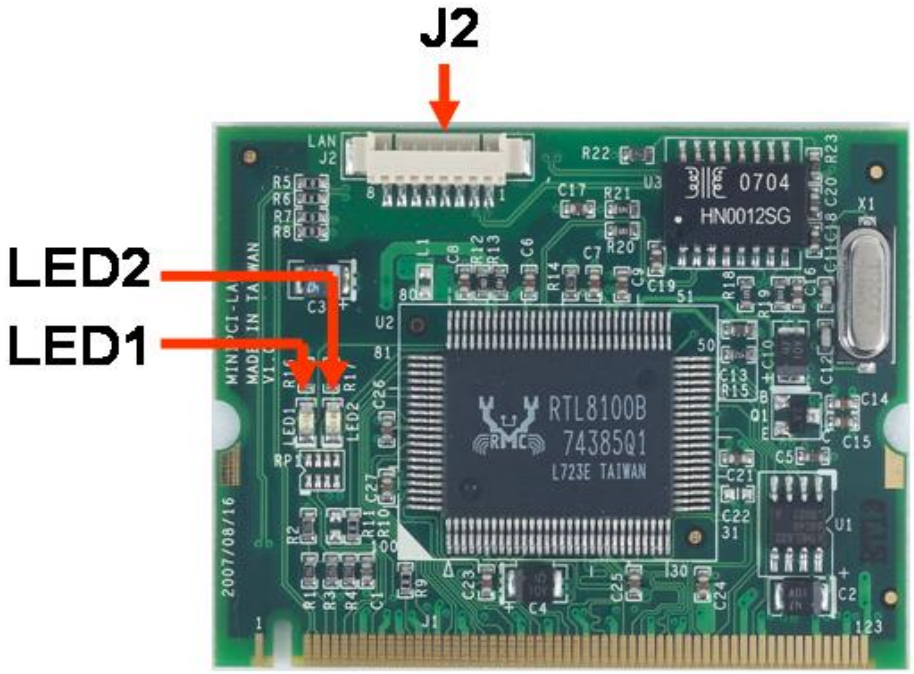
1.3 Board Dimension



Chapter 2

Installation

2.1 Board Outline



2.2 Connectors & Jumpers Summary

Summary Table			
Nbr	Description	Type of Connections	Pin nbrs.
J1	MINI-PCI TYPE-III	MINI-PCI TYPE-III interface	124-pin
J2	LAN	Wafer, 1.25∅ , 8x1	8-pin
LED 1	LAN Link LED (Yellow)	LED-SMD	
LED 2	LAN Active LCD (Green)	LED-SMD	

2.3 Pin Assignments & Jumper Settings

J4: LAN

Pin #	Signal Name	Pin #	Signal Name
1	LANTX+	2	LANTX-
3	LANRX+	4	NC
5	NC	6	LANRX-
7	NC	8	NC

Chapter 3

Driver Installation

The Realtek RTL-8100B 10/100Mbps Ethernet controller board supports both 10/100BASE-T and allows direct connection to your 10/100Mbps Ethernet based Local Area Network for full interaction with local servers, wide area networks such as the Internet.
I/O and IRQ settings can be done by software with the supplied utility software, or it can be set for Plug and Play compatibility. The controller supports: Half / Full-Duplex Ethernet function to double channel bandwidth, auto media detection.

Regarding the RTL-8100B driver, please download it from:
http://www.dmp.com.tw/tech/icop_cd/HTML/drv_rtl8100.htm
or
http://www.realtek.com.tw/downloads/downloadsView.aspx?Langid=1&PNid=6&PFid=6&Level=5&Conn=4&DownTypeID=3&GetDown=false

Warranty

This product is warranted to be in good working order for a period of one year from the date of purchase. Should this product fail to be in good working order at any time during this period, we will, at our option, replace or repair it at no additional charge except as set forth in the following terms. This warranty does not apply to products damaged by misuse, modifications, accident or disaster. Vendor assumes no liability for any damages, lost profits, lost savings or any other incidental or consequential damage resulting from the use, misuse of, originality to use this product. Vendor will not be liable for any claim made by any other related party. Return authorization must be obtained from the vendor before returned merchandise will be accepted. Authorization can be obtained by calling or faxing the vendor and requesting a Return Merchandise Authorization (RMA) number. Returned goods should always be accompanied by a clear problem description.