


FCC ID: MQHLA100B

Fast Ethernet PC Card LA100 Series User Guide

Rev. D1 (December, 1999)

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 RECYCLABLE

QTK2000-F009
FCC ID: MQ4LA100B
Abocom Systems Inc.
Ethernet PC LAN Card, Model LA100 (Rev. B1)

Instruction Manual
Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, use only shielded interface cables when connecting computer to peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

LED Indicators

The media coupler features three LED indicators:

- 100M/FULL (10BASE-T Half-Duplex, Off
10BASE-T Full-Duplex, Green On
100BASE-T Half-Duplex, Orange On
100BASE-T Full-Duplex, Amber)
- LINK/RX (Green, On/Blink)
- POWER/TX (Green, On/Blink)

Summary of Features

Features of Model LA-100TX Fast Ethernet PC Card:

- 100Mbps and 10Mbps data rates in compliance with IEEE 802.3 Ethernet standards 100Base-TX and 10Base-T
- Complies with PCMCIA V2.x, JEIDA V4.x, and 16-Bit PC Card Standards
- PC Card Standard 68-pin front-end connector
- 15-pin back-end connector for media coupler
- Integrated 32K Fast Sram for data buffering
- Autonegotiation per IEEE 802.3u specification

- No manual setup switches -- fully automatic configuration
- Low power consumption (2 watts max.)
- Electronics miniaturization by VLSI and surface-mount fabrication technologies
- Thermal-bonded case with stainless steel face panels
- RJ-45 connector with auto-detection of network speed
- Software support:
 - Windows 98
 - Windows 95 OSR2
 - Windows NT 3.51
 - Windows NT 4.0
 - Windows 2000

Hardware Installation

Unpack and Inspect

Open the shipping carton and carefully remove all items. In addition to this User's Guide, ascertain that you have:

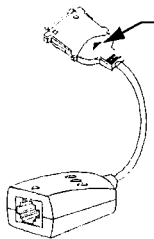
- One LA-100 Series Fast Ethernet PC Card
- One plastic storage bag for the PC Card
- One media coupler
- One LA-100 Series Fast Ethernet PC Card Driver diskette

Yellow arrow
on top side of
PC Card points
to front end plug



LA-100 Series
Fast Ethernet PC Card

Triangle
cast into
plastic
marks top
side of plug



Media Coupler

In the event that any item is missing, or if you find any mismatch or damage, promptly contact your dealer for correction.

Hardware Installation

Follow these four steps to install the LA-100 :

Specification

Network Specification

- Standard : IEEE802.3 10BaseT, 100BaseTX Fast Ethernet
- Media: CAT 3 or CAT 5 Unshielded Twisted Pair for 10BaseT up to 328ft/100m

CAT 5 Unshielded Twisted Pair for 100BaseTX up to 328ft/100m

- 10/100M Auto-Negotiation supported
- Integrated 10/100Mbps Transceiver inside PC Card with small media coupler.

Host Interface

- Host Interface: PCMCIA Standard rev.2.0/2.1, PC Card Standard.
- Integrated 32K Fast SRAM for data buffering

Mechanical Specification

- Body: PC Card Type II Frame kit ,
- Media Coupler: 12cm in length with 3 LEDs.

EMI Conformance

- FCC part 15 Class B
- CE Mark, EN55002 Class B, EN50081-2
- VCCI Class 2

Environmental Operating Ranges

1. Temperature: 32 to 149 F (0 to 65 C)

2. Humidity: 10% to 90% noncondensing

Power Consumption

- Operation: +5V DC, TBD
- Power-Down : +5V DC, TBD

LED Supported

Three LEDs on the media coupler:

- 100M/FULL (10BASE-T Half-Duplex, Off
10BASE-T Full-Duplex, Green On
100BASE-T Half-Duplex, Orange On
100BASE-T Full-Duplex, Amber)
- LINK/RX (Green, On/Blink)
- POWER/TX (Green, On/Blink)

Driver Support

- DOS mode diagnostic program
- Auto Installation program
- NOS Drivers:
Windows NT 3.5/3.51/4.0
Windows 95 all version
Windows 98 all version
Windows 2000