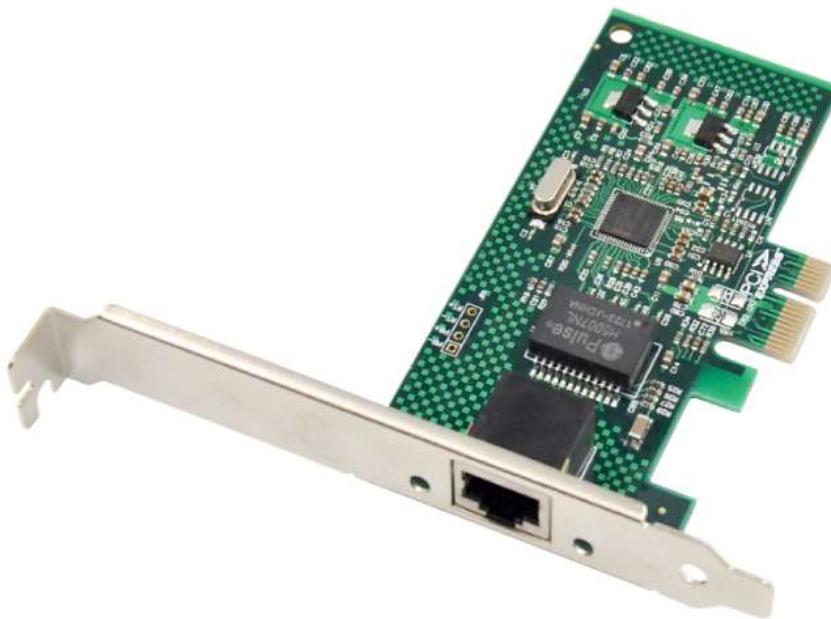# Part number : MC-PCIE-82574L

PCIe Intel 82574L Single 1GbE Network Card

Description

    MicroConnect MC-PCIE-82574L PCI-E Network Card offers the newest technology for maximizing system performance and increasing end-user productivity. Specifically, the Intel Gigabit CT Desktop Adapter uses auto-negotiation to ensure the adapter runs at the highest available network speed (10/100/1000Mbps), and it maintains full bandwidth capacity with the dedicated bandwidth of a PCI-E input/output (I/O) bus to provide connectivity you can count on. Based on the low-power Intel 82574L Gigabit Ethernet Controller, this desktop adapter offers optimal performance in a Low-cost, Low-power, Compact profile. Teaming support and an array of other advanced features enable customers to utilize this adapter as an entry-level server adapter as well.

Specification

* High-performance, self-configuring 10/100/1000Mbps connection for

  PCI Express slots

* Easy installation, maintenance, and advanced management capabilities

* Low-cost, low-power, compact design

* Intel® 82574L Gigabit Ethernet Controller

* Interrupt moderation

* PCI Express* x1 slot compatible

* Compatible with Fast Ethernet and Ethernet

* 10/100/1000 Mbps auto-negotiation

* Support for most network operating systems

*   Advanced configuration and power interface (ACPI); Wake on LAN*   (WoL);

Preboot Execution Environment (PXE)

*   Remote Management Support

*   Intel® PROSet Utility for Microsoft* Device Manager

*   Advanced cable diagnostics

*   Intel backing

*   Optimized queues: 2 Transmit (Tx) and 2 Receive (Rx)

*   MSI-X support

Data rate supported per port:	10,100, and 1000 Mbps
Bus type:	PCI Express 1.1 (2.5 GT/s)
Bus width:	x1 lane PCI Express operable in x1, x4, x8, x16
slots	
Bus speed (x1, encoded rate):	2.5 Gbps uni-directional; 5 Gbps bi-directional
Interrupt levels:	INTA, MSI, MSI-X
Interrupt levels:	802.3z*
Controller-processor:	Intel® 82574L
Typical power consumption:	1.9W
Operating temperature:	0° C to 55° C (32° F to 131° F)
Storage temperature:	-40° C to 70° C (-40° F to 158° F)

Storage humidity:	90% non-condensing relative humidity at 35° C
LED Indicators:	LINK/ACTIVITY LED: off=NO LINK;on=LINK;
blinking=ACTIVITY	
SPEED LED:	off=10 Mb; green=100 Mb;yellow=1000 Mb

Package content

- 1 x PCIe Network card

- 1 x User's Manual

- 1 x CD Driver

- 1 x Low profile bracket

System Requirements

- FreeBSD, Linux , VMWare ESXi, Win7/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10

- Available PCI Express x1 slot

Cabling Requirements:

Intel 1 Gigabit adapters

- For 1000BASE-T or 100BASE-TX.use Category 5 or Category5e wiring, twisted 4-pair copper:

  - Make sure you use Category 5 cabling that complies with the TIA-568 wiring specification For more information on this specification.

  - Length is 100 meters max.

  - Category 3 wiring supports only 10Mbps

  CAUTION: If using less than 4-pair cabling, you must manually configure the speed and duplex setting of the adapter and the link partner. In addition,with2-and3-pair cabling the adapter can only achieve speeds of up to 100Mbps

  - For 100BASE-TX.use Category 5 wiring.

  - For10BASE-T.use Category 3 or 5wiring

Hardware installation

1. Turn off the computer and unplug the power cord

2. Remove the computer cover and the adapter slot cover from the slot that matches your adapter

3. Insert the adapter edge connector into the slot and secure the bracket to the chassis

4. Replace the computer cover ,then plug in the power cord

5. Power on the computer

Install Drivers and software

Windows○,ᴿ Operating Systems

You must have administrative rights to the operating system to install the drivers.

1. insert the CD driver bound with Intel network driver into your CD-ROM drive(also you can download the latest drivers from support website

2. if the Found New Hardware Wizard screen is displayed, click **Cancel**

3. start the autorun located in the software package, the autorun may automatically start after you have extracted files.

4. Click **install Drivers and Software**

5. Follow the instructions in the install wizard to finish it

Installing Linux Drivers from Source Code

1. Download and expand the base driver tar file.

2. Compile the driver module

3. Install the module using the modprobe command

4. Assign an IP address using the ifconfig command

Support

More information and settings, please refer to the Intel Adapter User Guides or you can contact us.