PCI INTEL RC82545 Gigabit SFP Network Adapter

USER Manual
EN ver2.0

Description

PCI INTEL RC82545 Gigabit SFP Network adapter adopts is the Intel 82545EM integrates Intel's fourth-generation Gigabit MAC design with fully integrated For fiber-optic applications, the Intel 82545EM's integrated SERDES supports 1000BASE-X (802.3z). In addition, the controller provides a direct Peripheral Component Interconnect (PCI) 2.2 and PCI-X 1.0a compliant bus at clock frequencies up to 133MHz. intelligent connectivity reduces bottlenecks, and it provides high throughput while maintaining CPU resources. Intel PRO Server NIC Consolidation with Intel ®Server Features Software enables multi-gigabit scalability and redundant failover to further enhance server features. Get gigabit scalability and increased uptime with advanced service features

Specification

- Complies with PCI BUS Revision 2.2 32bit 33/66Mhz
- Complies with PCI Bus Power Management Interface Specification Rev1.1/ACPI v2.0
- 64KB configurable RX and TX packet FIFO
- Integrated PHYs for 10/100/1000Mb/s full-and half-duplex operation
- Supports a SFP interface with maximum speed of 1000Mb/s
- Automatic link configuration including speed, duplex, and flow control
- Transmit TCP segmentation IP.TCP. and UDP checksum off-loading capabilities on RX and TX
- IEEE802.1Q VLAN support with VLAN tag insertion and stripping and packet filtering for up to 4096 VLAN tags
- Interrupt moderation controls
- Supports Jumbo Frames up to 16Kb
- Wake on LAN support
- Chipset: RC82545EM
- Drivers support for Linux , VMWare ESXi, Windows 2000/XP/Win7/

Micro Connect®
Reliable Connectivity

Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10

Feature table

Product Name	PCI INTEL RC82545 Gigabit SFP network adapter
Bus Type	PCI 2.2 32bit 33/66MHz
PCI Signaling	3.3V and 5V
Power dissipation	2.0W(typical)
Transmission speed	1000Mbps
Network interface	SFP
Network standards	IEEE802.1P, IEEE802.1Q, IEEE802.3z, IEEE802.3x
Operating temperature	0°C to 70°C (maximum); Does not require a heat sink or forced airflow
Storage temperature	-65°C to 140°C
Operating systems	Linux , VMWare ESXi, Windows 2000/XP/Win7/Vista/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10

Package content

- 1 x PCI INTEL RC82545 Gigabit SFP Network adapter
- 1 x User's Manual
- 1 x CD Driver
- 1 x Low profile bracket
- ~~Accessories~~

System Requirements

- Linux , VMWare ESXi, Windows 2k/XP/Win7/Vista/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10
- One available PCI slot

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.