PCIe BCM5721 NetXtreme Gigabit Network card



USER Manual
EN ver2.0

Description

The PCIe BCM5721 NetXtreme Gigabit network card is a fully integrated 10/100/1000BASE-T Gigabit Ethernet media access control and physical layer transceiver solution for high-performance network applications. The BCM5721 combines a triple-speed,IEEE802.3 compliant media access control ,PCI Express bus interface, on-chip buffer memory, and integrated physical layer transceiver in a single device, it is provides a complete single-chip Gigabit Ethernet NIC or LOM solution.

Specification

- PCI-Express 1.1 form factor- 1 x 2.5Gbps line
- Integrated 10/100/1000 BASE-T transceiver
- 10/100/1000base-T triple-speed MAC
- High-speed RISC core with 24-KB cache
- SMBus 2.0 controller
- Wake-on-LAN power switching circuit
- Complies with the IEEE802.3ab ,IEEE802.3u and IEEE802.3 specifications
- Half duplex at 10/100Mbp operation and full duplex operation at all supported speeds
- TCP, IP, and UDP checksum
- Microsoft◯,R large Send Offload
- Large burst read
- Interrupt coalescing
- IPMI 1.5 support
- Standard-compliant WOL
- Innovative out-of-box mode WOL
- Hardware power switching
- PCI Express provide wirespeed non-blocking throughput
- TCP/IP stack offloads significantly reduce utilization of CPU

- TCP/IP stack offloads significantly increase throughput to enable faster downloads of large files
- Drivers for NT/2000/XP/Win7 / Win8 / Win10 / Vista / Sever2008 / Sever 2012 / Linux2.2 and above

Package content

- 1 x PCIe BCM5721 NetXtreme Gigabit Network card
- 1 x User's Manual
- 1 x CD
- 1 x Low profile bracket
- ~~Accessories~~

System Requirements

- Linux, NT/2000/XP/Win7/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10
- One available PCI Express x1/x4/x8/x16 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〇,R Operating Systems

Please select an installation file based on the product model and system type. You must have administrative rights to the operating system to install the drivers.

To install the adapter software for WinXP, do the following steps:

1. insert the CD driver bound with Intel network driver into your CD-ROM drive:
2. if the Found New Hardware Wizard screen is displayed, click **Next**
3. select search for a suitable driver for my device（recommended） then click Next.
4. In the locate driver files window, click **search for the best driver in these locations** option and click **browse** to find the installation files, Press **Next** to continue to setup.

   For Windows〇,R XP 32bit

   Type “D:\ Broadcom\Broadcom NetXtremeI 1G\BCM5715_21_22_51\WinXP \WinXP_x86”

   For Windows〇,R XP 64bit

   Type “D:\ Broadcom\Broadcom NetXtremeI 1G\BCM5715_21_22_51\WinXP \WinXP_x64”
5. Follow the instructions in the install wizard to finish it

Installing Linux Drivers from Source Code

1. Install the source RPM Package.
2. Change the directory to the RPM path and build the binary drivers for your kernel
3. Install the newly built package(driver and man page)
4. Load the driver.
5. To configure the network protocol and address ,refer to Linux-specific

documentation

Support

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