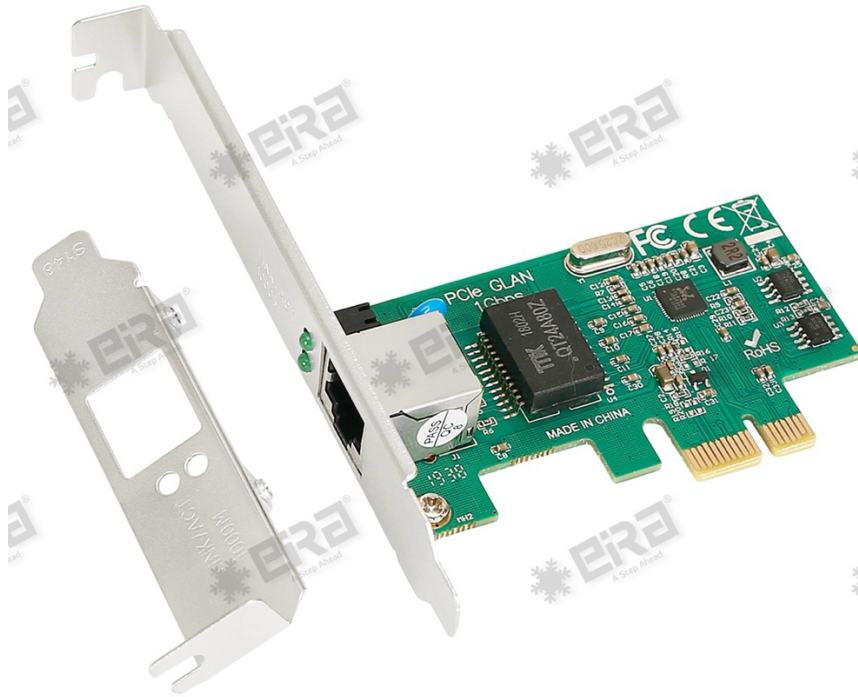# PCIe x1 to Gigabit Lan Card (RTL8168E Chipset)
# (ER3031)



## Product Overview:

The PCIe x1 to Gigabit LAN Card featuring the Realtek RTL8168E chipset is designed to provide high-speed, reliable Ethernet connectivity for desktop PCs and other systems with an available PCI Express slot. This network adapter supports Wake-on-LAN and remote wake-up function support, Gigabit Ethernet speeds, offering data transfer rates up to 1000 Mbps, making it ideal for bandwidth-intensive applications such as gaming, streaming, and large file transfers. With broad compatibility across multiple operating systems, this RTL8168E-based card ensures seamless integration into various IT environments. Its compact design fits easily into both standard and low-profile slots, providing a flexible and efficient networking solution for enhancing the performance and connectivity of your systems. Wake-on-Lan is ideal for many uses and applications, like

- Network Power Management
- Remote System Administration
- Energy Savings
- Automated Tasks and Maintenance
- System Updates and Patch Management
- Remote Troubleshooting and Support
- Improved User Experience
- Security Considerations

## Product Highlights:

- Complies with PCI-Express Revision 1.1
- PCI-Express 1-Lane (x1) interface
- Supports standard and low-profile chassis
- A high performance 1000BASE-T Ethernet controller card
- Backward compatible to 10/100BASE-T networking
- 10/100/1000Mbps data rate auto negotiation operation
- Compatible to existing CAT-5 UTP cabling
- Fully compliant with IEEE802.3, IEEE802.3u, IEEE802.3ab
- Supports half / full duplex mode and 802.3x Flow Control
- Supports IEEE802.1P Layer2 Priority Encoding
- Supports IEEE 802.1Q VLAN tagging
- Crossover Detection and Auto Correction operation
- Supports power down/link down power saving
- Wake-on-LAN and remote wake-up function support

## Technical Specifications:

| Brand | EiRA |
|---|---|
| SKU Code | ER3031 |
| Product model | PCIe x1 to Gigabit Lan Card (RTL8168E Chipset) |
| Chipset | RTL8168E |
| Wake-on-Lan support | Yes |
| Remote wake-up function support | Yes |
| Form Factor | Plug-in Card with Small Form Factor Support |
| Small/Low Profile Bracket | Provided |
| PCIe Specification Revision | PCI-Express 1.1 |
| Input Bus Interface | PCI Express x1 - Compatible with x1/x4/x8/x16 slots |
| Output Interface | 1 x RJ45 |
| Data Transfer Rate per port | Gigabit (1000Mbps) |
| System supported | Linux , Windows® 98se/me/2000/XP/2003/Vista /Win7/2008/Win8/10/11 (32/64 bit) |
| Dimensions | 203 x 56 x 18 mm |
| Weight | 80 gms |
| Warranty* | 1 year |

## Package Content

- 1 x PCIe RTL8168E Gigabit Network card
- 1 x CD Driver
- 1 x Low profile bracket

## 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!

1. Please insert the CD driver bound into your CD-ROM Drive.

2. At the Windows desktop, click **Start**, **Run**.

3.1 *For Windows® WIN98SE, WinME (32/64 bit)*

Type "**RTL8168, RTL8111C, RTL8111E \Windows\WIN98SE,WINME\PCIE_Install_5708_1119\setup. exe**", click **OK**.

3.2 *For Windows® WIN2K, XP, Server 2003 (32/64 bit)*

Type "**RTL8168,RTL8111C,RTL8111E\Windows\WIN2K,XP,2003\PCIE_Install_5790_11182011\setup.exe**", click **OK**.

3.3 *For Windows® Vista, WIN2008 (32/64 bit)*

Type "**RTL8168, RTL8111C, RTL8111E \Windows\VISTA,WIN2008\Install_Vista_6250_11182011\setup.exe**", click **OK**.

3.4 *For Windows® Win7, WIN2008 (32/64 bit)*

Type "**RTL8168, RTL8111C, RTL8111E \Windows\WIN7,WIN2008\Install_Win7_7049_11182011\setup.exe**", click **OK**.

3.5 *For Windows® Win8, Win8.1 (32/64 bit)*

Type "**RTL8168, RTL8111C, RTL8111E \Windows\Win8,Win8.1\Install_Win8_8.1_8020_09182013\setup.exe**", click **OK**.

4. Follow the on-screen instructions to complete the installation.

## Support

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

For Technical support, please contact our team on number +91-8800692207, on working days, from Monday to Saturday, between 11AM to 5:30PM

You may also check this link for all support options.
https://eiratek.com/customer-support/