



# DP 2-Port Gigabit

## Ethernet PCIe Installation Guide

### Introduction

The *DP 2-Port Gigabit Ethernet PCIe* adds two 10/100/1000 Mbps Ethernet ports to your system.

### **Features and Benefits**

- Compliant with PCI Express Bus Specification, Revision 1.1
- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Supports 10/100/1000 Mb/s data rate auto-negotiation
- Automatic MDI/MDIX crossover at all speeds
- Supports Wake On LAN (WOL) power management
- Full duplex mode that doubles the network connection speed

## **System Requirements**

- Desktop computer with an available PCIe slot
- Windows® 10 (32-/64-bit) / 8.x (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2012 R2 / Server 2008 R2 / Server 2008 & 2003 (32-/64-bit) / 2000

## **Package Contents**

- *DP 2-Port Gigabit Ethernet PCIe*
- Spare enhanced low profile bracket
- Driver CD
- Installation guide

# Layout

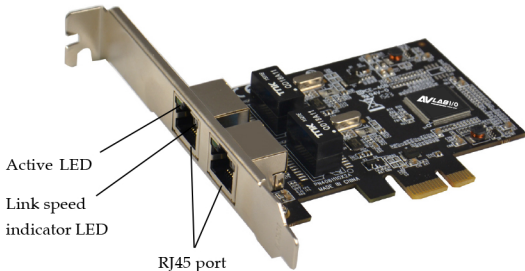


Figure 1 Layout

## LED Indicators

Two LEDs to monitor your network connection.

- **Active LED:** Blinking green light when network activity is detected.
- **Link speed indicator LED:**
  - Off: 10 Mb/s network connection and network activity
  - Steady green light: 100 Mb/s network connection and network activity
  - Steady orange light: Gigabit (1000 Mb/s) network connection and network activity

## Hardware Installation

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**Note:** For low profile systems, replace the currently mounted bracket with the included low profile bracket.

The design of computer cases and motherboards vary, refer to your computer's reference manual for further information if needed.

Discharge any static electricity build up in your body by touching your computer case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer.
2. Unplug the power cord, remove the computer cover.
3. Remove the slot bracket from an available PCI Express slot.
4. Carefully align the card to the selected PCI Express slot, push the board down firmly, but gently, until it is well seated.
5. Replace the slot bracket holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord.

## Windows Installation

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Install the board and boot up Windows, then follow the instructions below to install the *DP 2-Port Gigabit Ethernet PCIe* drivers.

### **Windows 10 (32-/64-bit) / 8.x (32-/64-bit) / 7 (32-/64-bit) / Server 2012 R2 / Server 2008 R2**

1. Insert the driver CD. Close the CD autoplay window if prompted.

2. Click **Windows** key and **R**.

For Windows 10: Type **D:\Windows\Win 10\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD-ROM drive letter)

For Windows 8.x / Server 2012 R2: Type **D:\Windows\Win 8\_8.1\_Server 2012R2\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD-ROM drive letter)

For Windows 7 / Server 2008 R2: Type **D:\Windows\Win7\_Server 2008R2\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD- ROM drive letter)

3. At the **User Account Control**, click **Yes**. For Server 2008 R2 and 2012 R2, skip this step.
4. At **Welcome**, click **Next**.
5. At **Ready to install the program**, click **Install**. Skip this step if not prompted.
6. Please wait while the driver install process continues.
7. Click **Finish** to complete the installation.

### **Windows Vista (32-/64-bit) / Server 2008 (32-/64-bit)**

1. Insert the driver CD. Close the CD autoplay window if prompted.
2. Click **Start, Run**, type **D:\Windows\Vista\_Server 2008\setup.exe**, then click **OK**. Or at the Start search box, type **D:\Windows\Vista\_Server 2008\setup.exe**, then press **Enter**. (Change **D:** to match your CD/DVD-ROM drive letter)
3. At the **User Account Control**, click **Continue**. For Server 2008, skip this step.

4. At **Welcome**, click **Next**.
5. Click **Install**. Skip this step if not prompted.
6. Please wait while the driver install process continues.
7. Click **Finish** to complete the installation.

### **Windows XP (32-/64-bit) / Server 2003 (32-/64-bit) / 2000**

1. Click **Cancel** at the **Found New Hardware**. Skip this step if not prompted.
2. Insert the driver CD, close the CD autoplay window if prompted.
3. Click **Start, Run**, type **D:\Windows\Win2K\_XP\_2003\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD-ROM drive letter)
4. At **Welcome**, click **Next**.
5. Click **Install**. Skip this step if not prompted.
6. Click **Finish** to complete the installation.

## To Verify Windows Installation

1. Go to Device Manager to verify installation.  
*For Windows 10 / 8 / 7 / XP / Server 2003 / Server 2008 R2 / 2000:* Right click **This PC**, **Computer** or **My computer**, click **Manage**, then **Device Manager**.  
*For Windows Vista:* Right click **Computer**, click **Manage**, **Continue**, then **Device Manager**.  
*For Windows Server 2012 R2:* Right click **This PC**, click **Manage**, choose **Tools**, **Computer Management**, then click **Device Manager**.  
*For Windows Server 2008:* Right click **Computer**, click **Manage**, double click **Diagnostics**, then click **Device Manager**.
2. Double click **Network adapters**, either **Realtek PCIe GBE Family Controller** or **Realtek RTL... PCI-E Family Gigabit Ethernet...** should be displayed two times.