# DIGITUS®

# 4 Port RJ45 RTL8125B 2.5 GBits Server NIC
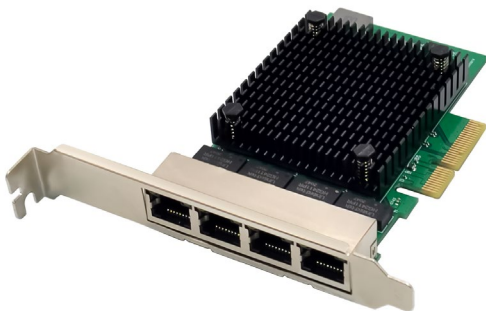


## Quick Installation Guide
DN-10136

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## 1. Introduction

The DN-10136 PCIe Quad-Port 2.5G network adapter is realized by the combination of multiple chips, it is combines a four-speed IEEE802.3 compatible Media Access controller with a four-speed Ethernet transceiver, it is complying with the IEEE802.3u specification for 10/100Mbps Ethernet, the IEEE802.3ab specification for 1000Mbps Ethernet and IEEE802.3bz specification for 2500 Mbps Ethernet. Also, it offers high-speed transmission over CAT5e UTP cable OR CAT3 UTP (10Mbps only) cable. It is suitable for multiple market segments and emerging applications, such as desktop, workstation, server, communications platforms, and embedded applications.

## 2. Main Features

- Support PCI Express Specification Revision 2.1
- 2-Lane PCI Express bus connecting with up to 10Gbps bus width
- PCI Express interface: x4
- Integrated 10M BASE-Te and 100/1000M/2.5G base-T 802.3 compatible transceiver
- Supports 2.5G and 1G Lite mode.
- Auto-Negotiation with Extended Next Page capability (XNP)
- Supports pair swap/polarity/skew correction.
- Crossover Detection& Auto-Correction
- Supports 1-Lane 2.5/5Gbps PCI Express Bus
- Supports hardware ECC (Error correction code) function.
- Supports hardware CRC (Cyclic Redundancy Check) function.
- Supports PCI MSI (Message Signaled Interrupt) and MSI-X
- Transmit/Receive on-chip buffer support.
- Supports ECMA-393 ProxZzzy Standard for sleeping hosts.
- Wake-On-LAN and 'RealWow!' Technology (remote wake-up) supports.
- Compatible with IEEE802.3, IEEE802.3u, IEEE802.3ab
- Supports IEEE1588v1, IEEE1588v2, IEEE80.2AS time synchronization.
- Supports IEEE802.1Qav credit-based shaper algorithm.
- Supports IEEE802.1P Layer 2 Priority encoding.
- Supports IEEE802.1Q VLan tagging.
- Supports IEEE802.1ad Double VLAN
- Supports IEEE802.3az (Energy Efficient Ethernet)
- Supports IEEE802.3bz(2.5GBase-T)
- Supports full duplex flow control (IEEE802.3x)
- Supports jumbo frame to 16K bytes.
- Supports Virtual Machine Queue (VMQ)
- Supports quad core Receive –Side Scaling (RSS)

- Supports Protocol Offload (ARP&NS)
- Drivers for Vista /Win7 / Win8 / Win10 /Win11/ Sever2008 / Sever 2012 / Linux / DOS
- Chipset: RTL8125B+ASM1806

## 3. Package Contents
- 1x PCIe Quad-Port 2.5G network adapter
- 1x User's Manual
- 1x CD
- 1x Low profile bracket

## 4. System Requirements
- Linux, Win7/ Win8/ Server2008/ Win8.1/ Server2012/ Win10/ Win11
- One available PCI Express x4/x8/x16 slot

## 5. 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

## 6. Install Drivers and Software
**Windows Operating Systems**
- Please insert the CD driver bound into your CD-ROM Drive.
- Double-click to open the CD-ROM drive and find the driver corresponding to the system.

- **For Windows® Win7, Server 2008 R2(32/64 bit)**
  Type "RTL8125\Windows\Win7_Server2008 R2\ Install_ Win7_

  7127_10222019\setup.exe", Double clicks it.
- **For Windows® Win8, Win8.1 Server2012(32/64 bit)**
  Type RTL8125\ Windows\ Win8_8.1_Server2012\Install_
  Win8 _8.1_8073_10222019 \setup.exe", Double clicks it.
- **3.3 For Windows® Win10 (32/64 bit)**
  Type "RTL8125\Windows\Win10\Install_Win10_10036_

  10222019\setup.exe", Double clicks it.
- **3.4 For Windows® Win11 (32/64 bit)**
  Type "RTL8125\Windows\Win11\Install_PCIE_Win11_
  11.4.1201.2021_01182022.exe"

Follow the on-screen instructions to complete the installation.

Hereby ASSMANN Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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