



ON300

PCI-E 2.5G Ethernet Network Adapter



ON300 is a PCI-E network adapter with one 2.5GBase-T port.

The ORIGO ON300 network adapter is based on the RTL8125B controller and runs up to 2.5 Gbps at 100 m Cat 5e/Cat 6 cables.

The ON300 supports installation in PCI-E x1/x4/x8/x16 slots. Standard and low-profile brackets are included.

The ON300 supports such advanced features as Wake-on-LAN, 802.1p Priority Encoding and 802.1Q VLAN.

The ON300 adapter is compatible with Windows 11/10/8.x/7 and Linux operating systems.

Key Features

- 1x100/1000/2.5GBase-T port (RJ-45)
- The RTL8125B controller
- PCI-E x1/x4/x8/x16 slots installation
- Wake-On-LAN and PXE boot support
- IEEE 802.1Q VLAN
- IEEE 802.1p Priority Encoding
- Windows 11/10/8.x/7 and Linux OS support
- Low-profile bracket is included



Specifications

Hardware

Chipset	<ul style="list-style-type: none">• RTL8125B
Interfaces	<ul style="list-style-type: none">• 1x10/100/1000/2.5GBase-T port (RJ-45)
Installation Slot	<ul style="list-style-type: none">• PCI-E x1/x4/x8/x16
LEDs	<ul style="list-style-type: none">• Link/Act<ul style="list-style-type: none">- Solid green – data transfer rate of 100 Mbps- Solid orange – data transfer rate of 1 Gbps- Solid red – data transfer rate of 2.5 Gbps
Network Cables	<ul style="list-style-type: none">• Ethernet: UTP cat. 3 or above (100 m max.)• Fast/Gigabit/2.5Gigabit Ethernet: UTP cat. 5 or above (100 m max.)

Features

Standards and Functions	<ul style="list-style-type: none">• IEEE 802.3 10Base-T• IEEE 802.3u 100Base-TX• IEEE 802.3ab 1000Base-T• IEEE 802.3bz 2.5GBase-T• IEEE 802.3az Energy-Efficient Ethernet• IEEE 802.3x Flow Control in full-duplex mode• Wake-on-LAN• PXE boot• IEEE 802.1Q VLAN• IEEE 802.1p Priority Encoding
Data Rate	<ul style="list-style-type: none">• 5 Gbps (full-duplex)

System Requirements

Operating System	<ul style="list-style-type: none">• Windows 11/10/8/8.1/7• Windows Server 2022/2012/2008 R2• Linux 2.4.x and later
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Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none">• 71.5 x 50 x 1.6 mm
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Operating Conditions

Power	<ul style="list-style-type: none">• PC (PCI-E)
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Temperature	<ul style="list-style-type: none">• Operating: 0 to 55 °C• Storage: -10 to 70 °C
Humidity	<ul style="list-style-type: none">• Operating: 10% to 90% (non-condensing)• Storage: 10 to 90% (non-condensing)

Package Contents

Package Contents	<ul style="list-style-type: none">• ON300 PCI-E Network Adapter• Low-Profile Bracket• Quick Installation Guide
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Order Info

ON300	PCI-E Network Adapter, 1x2.5GBase-T
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