



# ON404

## 10G Ethernet PCI-E x8 Network Adapter



ON404 is a PCI-E network adapter with one 10GBase-T port.

The ORIGO ON404 network adapter is based on the Intel X540-AT2 controller and is recommended for connecting high-performance PCs, servers, and network platforms to corporate infrastructure and data centers.

The ON404 supports such advanced features as 802.1Q VLAN, 802.1p Priority Encoding, IP, TCP, UDP checksum offload, PXE boot, Microsoft Hyper-V® and iSCSI.

The ON404 supports installation in PCI-E x8 and x16 slots. Standard and low-profile brackets are included.

### Key Features

- 10GBase-T port
- The Intel X540-AT2 controller
- PCI-E x8/x16 slots installation
- IEEE 802.1Q VLAN
- IEEE 802.1p Priority Encoding
- Microsoft Hyper-V® and iSCSI support
- PXE boot support
- Low-profile bracket is included



## Specifications

### Hardware

Chipset	<ul style="list-style-type: none"><li>• Intel X540-AT2</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 10GBase-T port (RJ-45)</li></ul>
Installation Slot	<ul style="list-style-type: none"><li>• PCI-E x8/x16</li></ul>
LEDs	<ul style="list-style-type: none"><li>• Link/Act<ul style="list-style-type: none"><li>- Solid green – device connected</li><li>- Blinking green – data pass</li><li>- Lights off – no connection</li></ul></li><li>• Speed<ul style="list-style-type: none"><li>- Solid green – network connection is at 10 Gbps</li><li>- Solid amber – network connection is at 1 Gbps</li><li>- Lights off – network connection is at 100 Mbps</li></ul></li></ul>

### Features

Standards and Functions	<ul style="list-style-type: none"><li>• IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3an 10GBase-T</li><li>• IEEE 802.3x Flow Control</li><li>• 15.5 KB Jumbo Frame</li><li>• IEEE 802.1p Priority Encoding</li><li>• IEEE 802.1Q VLAN</li><li>• IEEE 802.3az Energy-Efficient Ethernet</li><li>• PXE boot</li><li>• IP, TCP, UDP checksum offload</li></ul>
Data Rate	<ul style="list-style-type: none"><li>• 20 Gbps (full-duplex)</li></ul>

### System Requirements

Operating System	<ul style="list-style-type: none"><li>• Windows 11/10/8/8.1/7</li><li>• Windows Server 2022/2019/2016/2012/2008 R2</li><li>• Linux 2.4.x and later</li></ul>
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### Physical Parameters

Dimensions (L x W)	<ul style="list-style-type: none"><li>• 158 x 120 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>• 128 g</li></ul>



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### **Operating Conditions**

Power	<ul style="list-style-type: none"><li>• PC (PCI-E)</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 55 °C</li><li>• Storage: -25 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 20% to 80% (non-condensing)</li><li>• Storage: 20 to 80% (non-condensing)</li></ul>

### **Package Contents**

Package Contents	<ul style="list-style-type: none"><li>• ON404 PCI-E Network Adapter</li><li>• Low-Profile Bracket</li><li>• Quick Installation Guide</li></ul>
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### **Order Info**

ON404	PCI-E x8 Network Adapter, 1x10GBase-T
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