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ON420

2-Port 10G Ethernet PCI-E x8 Network Adapter

ON420 is a PCI-E network adapter with two 10GBase-T ports.

The ORIGO ON420 network adapter is designed to connect high-performance PCs, servers, and network platforms to corporate infrastructure and data centers. The adapter is based on the Intel X540 controller and provides fast and reliable network connection using two 10 Gigabit Ethernet ports (RJ-45).

The ON420 supports such advanced features as 802.1Q VLAN, 802.1p Priority Encoding, IP, TCP, UDP checksum offload and PXE boot.

The ON420 supports installation in PCI-E x8 and x16 slots. Standard and low-profile brackets are included.

Key Features

- 2x10GBase-T ports
- The Intel X540 Ethernet Controller
- PCI-E x8/x16 slots installation
- IEEE 802.1Q VLAN
- IEEE 802.1p Priority Encoding
- PXE boot support
- Low-profile bracket is included

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Specifications

Hardware

Chipset	• Intel X540
Interfaces	• 2x10GBase-T port (RJ-45)
Installation Slot	• PCI-E x8/x16

LEDs	• Link/Act
	
	  - Solid green – device connected
	
	  - Blinking green – data pass
	
	  - Lights off – no connection

Features

Standards and Functions	• IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3an 10GBase-T • IEEE 802.3ad Link Aggregation • IEEE 802.1p Priority Encoding • IEEE 802.1Q VLAN • Tx/Rx IP, TCP, UDP checksum offload (IPv4, IPv6) • TCP segmentation/large send offload • MSI-X support • Interrupt moderation • Adapter Fault Tolerance (AFT) • Switch Fault Tolerance (SFT) • Adaptive Load Balancing (ALB) • Virtual Machine Load Balancing (VMLB) • Teaming support • PXE 2 • SNMP • DMI 2.0 • Windows Management Instrumentation (WMI) • Wired for Management (WFM)
Data Rate	• 20 Gbps (full-duplex)

System Requirements

Operating System	• Windows 11/10/8/8.1/7 • Windows Server 2022/2019/2016/2012/2008 R2

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	• Linux 2.4.x and later

Operating Conditions

Power	• PC (PCI-E)
Temperature	• Operating: 0 to 55 °C
	• Storage: 0 to 80 °C
Humidity	• Operating: 10% to 90% (non-condensing)
	• Storage: 5 to 90% (non-condensing)

Package Contents

Package Contents	• ON420 PCI-E Network Adapter
	• Low-Profile Bracket
	• Quick Installation Guide

Order Info

ON420	PCI-E x8 Network Adapter, 2x10GBase-T