



# ON420S

## 2-Port 10G SFP+ PCI-E x8 Network Adapter



ON420S is a PCI-E network adapter with two 10GBase-X SFP+ ports.

The ORIGO ON420S network adapter is designed for use in high-performance servers and network platforms. The adapter is based on the Intel 82599ES controller and provides reliable connection to fiber-optic communication lines at speeds up to 10 Gbps.

The ON420S supports Message Signaled Interrupts (INTA, MSI, MSI-X) and VMDq per port.

The ON420S supports installation in PCI-E x8 and x16 slots. Standard and low-profile brackets are included.

### Key Features

- 2x10GBase-X SFP+ ports
- The Intel 82599ES controller
- PCI-E x8/x16 slots installation
- Message Signaled Interrupts (INTA, MSI, MSI-X)
- VMDq support
- Low-profile bracket is included



## Specifications

### Hardware

Chipset	<ul style="list-style-type: none"><li>• Intel 82599ES</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 2x10GBase-X SFP+ ports</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></ul></li></ul>

### Features

Standards and Functions	<ul style="list-style-type: none"><li>• IEEE 802.3ae 10GBase-LR</li><li>• IEEE 802.3ae 10GBase-SR</li><li>• IEEE 802.3aq 10GBase-LRM</li><li>• PCI-E 2.0 (5 GT/s) compliant</li><li>• Message Signaled Interrupts (INTA, MSI, MSI-X)</li><li>• Virtual Machine Device Queues (VMDq)</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 R2/2012</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>• 128.3 x 68.9 mm</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 40 °C</li><li>• Storage: -20 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 10% to 90% (non-condensing)</li><li>• Storage: 5 to 90% (non-condensing)</li></ul>



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**Package Contents**

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**Order Info**

ON420S	PCI-E x8 Network Adapter, 2x10GBase-X SFP+
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