



## 10 Gigabit Ethernet SFP+ PCI Express Network Adapter

EN-9320SFP+ V2

### FEATURES

- **10GbE Faster Transmission:** Supports 10Gbps transmission speed for high-speed bandwidth-intensive requirements
- **Fiber Optic Further Distance:** Fiber optical cables offers much further distances than the copper cables
- **Advanced Performance Features:** Supports QoS, VLAN, 16K Jumbo Frame and equipped with a large cooling heatsink for improved network performance, in addition to enhanced with efficiency, reliability and security
- **Enhanced CPU & Network Efficiency:** Features IP, TCP and UDP checksum offloading to offload checksum processing, then to the network card and that free up resources on the CPU
- **Flexible Deployment:** With a PCIe 3.0 x4 interface and included low-profile bracket for most computers and workstation motherboards

### OVERVIEW

The EN-9320SFP+ V2 10GbE SFP+ PCIe network adapter provides 10X faster data transmission speed than standard Gigabit Ethernet speeds, which can easily handle bandwidth-intensive tasks in Home/SOHO/SMB environments and provides an optimal upgrade solution to the mainboard with fiber optic connectivity.

Built-in QoS and VLAN features, the EN-9320SFP+ V2 automatically prioritizes bandwidth for your most important applications and provides better security, higher performance and less latency network connections. Combining the EN-9320SFP+ V2 with SFP+ modules (EDIMAX MG-10G Series), DAC/AOC cables, your system offers greater flexibility in optional fiber distances, and superior performance with fast and reliable 10Gbps network access.

### 10GbE SFP+ Superior Network Speed

Equipped with one 10 Gigabit SFP+ port, the EN-9320SFP+ V2 PCIe card is 10X faster than standard Gigabit Ethernet which can easily handle bandwidth-intensive tasks such as large file transferring, 8K streaming, low-latency gaming and video conferencing in Home/SOHO/SMB environments. With fiber optical cables, it offers much further distances than copper cables, not only for high-speed performance but also for long-distance connections.

### Advanced Features and Security

Featuring QoS and VLAN, the EN-9320SFP+ V2 automatically prioritizes bandwidth for most important applications and provides better security, higher performance and less latency network connections. In addition, the PCIe card supports other advanced features such as 16K Jumbo Frame to maximize network performance and throughput.

### Enhanced CPU & Network Efficiency

The PCIe card features TCP, UDP, and IP checksum offloading, which offloads checksum processing to the network card. The EN-9320SFP+ V2 can free up resources on the CPU to the rest of system to handle other tasks without compromising network speed, which enhances the CPU and network efficiency. Moreover, the built-in efficient cooling heatsink keeps the PCIe card cool with non-stop reliable connection while processing high performance tasks.

### Greater Flexibility

With a PCIe Gen 3.0 x4 interface, it is easy to migrate the EN-9320SFP+ V2 PCIe card into your existing computes and workstation motherboards. The PCIe card comes with a pre-configured standard bracket and additional low-profile bracket for flexible installation in a wide range of computers and workstations, regardless of form factors, providing a convenient addition or replacement for SFP+ networking interfaces.

## SPECIFICATIONS

## HARDWARE

|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Interface     | PCI Express Gen 3 x 4 Host Bus Interface<br>10GbE SFP+ Slot         |
| LED Indicator | SPEED<br>ACTIVITY                                                   |
| Dimension     | 82 (W) x 62 (D) x 15 (H) mm (3.23 (W) x 2.44 (D) x 0.59 (H) inches) |
| Weight        | 48g (1.69 ounces)                                                   |

## PERFORMANCE &amp; FEATURE

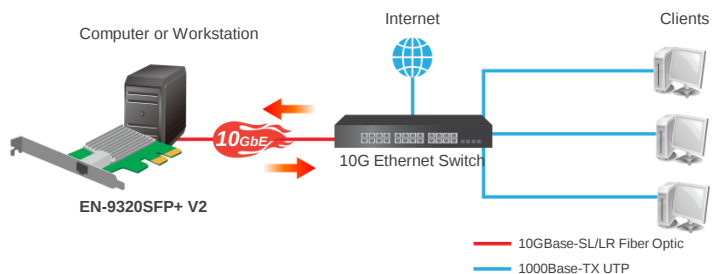
|                    |                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jumbo Frame        | 16KB                                                                                                                                                                                                             |
| Maximum Data Speed | 10Gbps                                                                                                                                                                                                           |
| Additional Feature | <ul style="list-style-type: none"> <li>• Quality of Service (QoS)</li> <li>• Low Latency (&lt;4 <math>\mu</math>s)</li> <li>• Large S end (up to 16KB)</li> <li>• IP, TCP and UDP checksum offloading</li> </ul> |

## OTHERS

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                | <ul style="list-style-type: none"> <li>• IEEE 802.3ae 10GBase-X 10 Gigabit Ethernet</li> <li>• IEEE 802.3x Full-duplex and flow control</li> <li>• IEEE 802.1p Quality of Service (QoS)</li> <li>• IEEE 802.1Q Virtual LANs VLANs</li> </ul>                             |
| OS Supported            | <ul style="list-style-type: none"> <li>• Windows 8/8.1/10/11</li> </ul>                                                                                                                                                                                                  |
| Environmental Condition | <ul style="list-style-type: none"> <li>• Operating Temperature: 32 ~ 104°F (0 ~ 40°C)</li> <li>• Storage Temperature: -40 ~ 185°F (-40 ~ 85°C)</li> <li>• Operating Humidity: 10 ~ 90% (Non-condensing)</li> <li>• Storage Humidity: 5 ~ 90% (Non-condensing)</li> </ul> |
| Certification           | <ul style="list-style-type: none"> <li>• CE, FCC</li> </ul>                                                                                                                                                                                                              |
| Package Content         | <ul style="list-style-type: none"> <li>• 10 Gigabit Ethernet SFP+ PCI Express Network Adapter</li> <li>• Low Profile Bracket</li> <li>• Quick Installation Guide</li> </ul>                                                                                              |

## APPLICATION DIAGRAM

## Public &amp; Intranet Network Access



## Private Network Database Access

