

Available as an option with the following WildPackets products:

Two-port, OmniAdapter 10G is available with the following products:

- Omnipliance SuperCore
- Omnipliance Core

One-port, OmniAdapter 10G is available with the following products:

- OmniPeek Enterprise
- OmniEngine Enterprise
- Omnipliance SuperCore
- Omnipliance Core

WildPackets' OmniAdapter 10G is a high performance, full-duplex 10 Gigabit Network Analyzer Card with 2x10 Gbit/s optical interfaces that has been optimized for monitoring and troubleshooting traffic on 10 Gigabit Ethernet network. The OmniAdapter 10G provides hardware accelerated packet tracing and dynamically configurable filtering together with high precision timestamping. Add the OmniAdapter 10G Table here

The OmniAdapter 10G is based on the industry standard PCI-X interface and available with 1x850nm MFF XFP or; 1x1310nm SMF XFP optical transceivers with LC connectors.

OmniAdapter 10G is available in the following configurations:

# Ports	Interface	OS
Two	PCI-X	Linux
One	PCI-E	Linux & Windows
One	PCI-X	Linux & Windows

Performance

- Offers 100% Packet capture directly to host memory with very low CPU utilization, regardless of packet size or network load.
- Manages transfer and replication of captured data so that host CPUs can focus fully on analysis.

- Provides 10 Gigabit network traffic capture and filtering.
- Addresses multiple CPUs for efficient CPU load balancing.
- Real-time high performance write to disk support.

Bus

- PCI-X Card, half height, half length PCI3.0 Supports PCI-X bus speeds to 133MHz
- PCI-Express Card, Full height, half length PCI3.0. 8-lane PCI Express
- 64 bit support

Connection Modes

- Span port
- Mirror port
- Tap
- Matrix switch

Packet Slicing

- Once the data is filtered, the packet is sliced to reduce the amount of data uploaded to the CPU.
- Intelligent slicing parameters are configurable, so that packets of varying encapsulations and header lengths can be sliced at the appropriate point.

Data Management

Filtered or unfiltered feed with hardware filters for TCP Ports, UDP Ports, Physical Address, and IP Address.

Real-Time Hardware Generated Packet Timestamp

- 7.5ns Clock Resolution
- Time Synchronization
 - External: RJ45 Connector or RS-422 PPS signal from GPS or CDMA receiver
 - Internal: Host PC clock

Supported Operating Systems

- Windows Server 2003
- Windows XP SP2
- Red Hat Enterprise Linux

Certifications

- FCC, Class A
- CE
- RoHS

Environmental

Two-port, PCI-X Card:

- Operating: 0° to 40°C
- 20% to 80% non-condensing

One-port, PCI-X Card:

- Operating: 10° to 50°C
- 20 to 80% non-condensing

One-port, PCI-Express Card:

- Operating: 0° to 55°C
- 5 to 95% non-condensing

Power Requirements

- Conforms to PCI3.0

Physical Dimensions

Two-port, PCI-X Card:

- Full height, half length PCI 3.0
- Height 107mm (4.2")
- Length 167mm (6.6")

One-port, PCI-X Card:

- Half height, half length PCI3.0
- Height 64mm (2.5")
- Length 167.5mm (6.6")

One-port, PCI-Express Card:

- Full height, half length PCI3.0
- Height 110.75mm (4.2")
- Length 167.5mm (6.6")

XFP Sensitivity

- SR: -11.1 – 0.5dBm
- LR: -14.4 – 0.5dBm

XFP Receive Wave-length

- SR: 840 – 860 nm
- LR: 1290 – 1330 nm