

### Available as an option with the following WildPackets products:

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

- Omnipliance Core (Linux version)

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

- OmniPeek Enterprise
- OmniEngine Enterprise
- 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 two-port, OmniAdapter 10G provides hardware accelerated packet tracing and dynamically configurable filtering together with high precision timestamping. The network adapter is based on the industry standard PCI-X interface and available with 1x850nm MFF XFP or; 1x1310nm SMF XFP optical transceivers with LC connectors.

One-port, OmniAdapter 10G is also supported by WildPackets' OmniPeek Product Family. It's available in PCI-X or PCI-E with 1x850nm MFF XFP or; 1x1310nm SMF XFP optical transceivers with LC connectors.

### 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.



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### 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

### Interfaces Options

Two-port or One-port Gigabit Analyzer Card - available with 1x850nm MMF XFP or 1x1310nm SMF XFP optical transceiver with LC connectors.

- PCI-X, Two-port 10 Gigabit Ethernet Network Monitoring Interface Card
- PCI-X, One-port 10 Gigabit Ethernet Network Monitoring Interface Card
- PCI-Express, One-port 10 Gigabit Ethernet Network Monitoring Interface Card

### 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")