

**Regeneration Ethernet TAP Card
Optic/Copper Media Converter
Packet Filter, Line monitor**

**Full-strength, optic/copper probe,
Line monitor and measurement
Low latency, non-intrusive
Gigabit Ethernet**

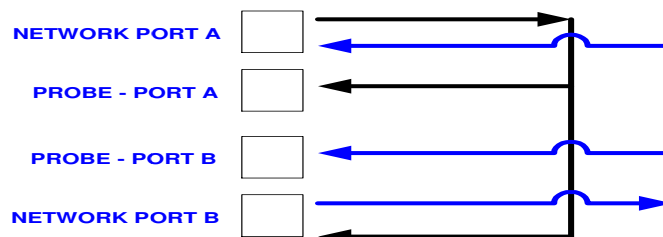
LeWiz's eTAP family of networking cards designed specifically for network tap and media conversion applications. Network taps are typically used in network security, network monitoring and analysis, packet capture applications. LeWiz's eTAP products can connect the local copper network to long distance, remote network(s) via fiber optic cable. LeWiz's eTAP products allow the conversion of any copper port to fiber optic port or vice versa. Single or Multi-channel products are available.

eTAP products Combine the best of network tap, media converter, line monitor, line measurement devices into a single card.

Features:

- Low cost - Regenerates signals for network tapping or media conversion applications
- Provides full strength signals (unlike the beam splitting taps' partial strength)
- Allows long distance cabling for the main lines as well as the probe lines
- Allows monitoring of connected network lines – network ports or probe ports
- Allows measuring of signal strength, temperature and others
- Allow packet filtering (optional)
- Allows monitoring of link up, lost of signal
- Counting of network statistics (packet counters, packet types, packet sizes, etc.)
- Regenerates signals at the physical level – low latency and non-intrusive
- Any port can be configured for optic or copper type
- Uses the available PCI-express slot in your existing systems such as server or others
- No need for added box or space in the data center rack
- No need for extra power cabling
- Full strength, full length of 1000Base-SX, 1000Base-LX (1000Base-T for copper)
- Works with any system supporting PCI-express slot

Should you need more features in a tap device, please contact us at support@LeWiz.com



The eTAP4004™ network card is a member of LeWiz's family of advanced NIC products from 1Gbps to 10Gbps for the PCI-express bus. See LeWiz's Talon, iDefend, iStream, and eTAP products at: www.LeWiz.com

Detailed Specifications:

Product part number	
eTAP4004-TX	4x1Gbps copper Ethernet
eTAP4004-SX	4x1Gbps SX fiber optic
eTAP4004-LX	4x1Gbps LX fiber optic
System interface	
Compliant PCI-Express Base Specification 1.1	
8 lanes PCI-express (PCI-E)	8 lane PCI-E physical but also works in with x8 or x16 connectors
Software support	
Loadable driver for Windows and Linux	No need to recompile the driver or the OS
None interference with existing applications	Existing software applications would run as is without modification or recompiling.
Windows Server 2003	32 and 64 bit
Windows XP	32 and 64 bit
Redhat Linux AS 4.0, 4.3	Full offload acceleration, both 64 and 32 bit version
Redhat Linux ES 4	
Novell SuSE LES 10, 9.0	Full offload acceleration, both 64 and 32 bit version
Fedora Core 5, 4	Full offload acceleration, both 64 and 32 bit version
CentOS 5, 4	
A variety of kernel/OS are supported	
IPv4 and IPv6	Fully compatible with IPv4 and IPv6

Cat5 copper or SX/LX Fiber	
Standard Cat5 copper cable	100m Cat5 copper
Standard SX fiber optic	500m, 850nm multi-mode
Standard LX fiber optic	10Km, 1310nm single mode
Physical size	
Length x Width	6.6 x 4.2 inches (short form)
Operating spec	
Uses standard voltages from PCI-express connector	12V, 3.3V
Operating temperature	0 – 55°C
Operating humidity	85% at +55°C

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