

iTap GigaBit Fiber Dual Port Aggregator with SFP

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P/N: ITP-PAD-SX5-SFP

The world's only Intelligent Tap™ provides real-time link utilization and traffic statistics at a glance and through remote interfaces. Simultaneous passive monitoring of a single GigaBit full-duplex link with two devices using only NIC per device.

Performance Aggregation Web Manager Buffers Absorb Bursts System Manager Traffic Monitoring Security, Visibility, and Reliability Access Information Anywhere

The iTap Port Aggregator is Net Optics most Intelligent Tap™; making network monitoring easier than ever. The iTap Port Aggregator displays the link utilization levels for both directions in real time, with the size and time of the last peak, right on the front panel. The iTap Port Aggregator is accessible from remote interfaces that provide information and control from anywhere in the network. The iTap gives you the information and the passive access point you need to respond quickly to network events.

Performance Aggregation

The iTap Port Aggregator combines and regenerates both directions of a full-duplex stream, sending all aggregated traffic out one or two separate passive monitoring ports. Typically, full-duplex monitoring with a network tap requires two NICs (or a dual-channel NIC)—one interface for each side of the full-duplex link. Net Optics's iTap Port Aggregator enables one or two devices to simultaneously monitor a full-duplex link using only one NIC per device.

Buffers Absorb Bursts

When the traffic levels exceed the capacity of the receiving NIC, the iTap Port Aggregator stores the overflow traffic in buffer memory. For high-load links, the iTap Port Aggregator is available with 256MB of memory. The buffers clear automatically when the traffic volume falls below the receiving capacity of the NIC. These buffers allow the iTap Port Aggregator to absorb traffic bursts without dropping packets.

Traffic Monitoring

The iTap Port Aggregator monitors the utilization levels of both sides of the full-duplex link. This information is displayed on the front panel and is available from the remote interfaces. The iTap Port Aggregator allows you to set a threshold for each side of the full-duplex link at which an alarm is triggered. When a threshold level is exceeded, the alarm LED illuminates and the remote interfaces record the event. The iTap Port Aggregator records the level of the highest peak along with the date and time. Since the iTap Port Aggregator is monitoring the utilization levels, this information is always available regardless of the aggregation process.

Access Information Anywhere

The Web Manager and System Manager allow you to remotely set parameters, view status information, and monitor traffic statistical data. These interfaces provide security and performance information such as the number of over- and under-sized packets, packet collisions, and CRC errors. You can remotely set the alarm thresholds, clear the traffic data counters, and turn on or off a Monitor Port. This access is also available via an optional wireless link from your wireless PDA or laptop.

Web Manager

Net Optics Web Manager is the browser-based interface that allows you to change settings, view status, and retrieve data remotely with simple-to-use controls. When you access an iTap Port Aggregator with Web Manager, all configuration, status, and traffic data are displayed on a single page. Changes to the configuration can be made with a few clicks of the mouse.

System Manager

Net Optics System Manager is an SNMP management tool that offers central management of all Net Optics iTap devices in the network. You can organize iTaps into groups according to workgroup, location, or any other criteria. As with Web Manager, you can view all status, configuration, and traffic information and make changes quickly to any iTap in the system. The iTap Port Aggregator generates SNMP alarm traps for system status, threshold alarm, link status, and power status. If you are already using an SNMP management tool, iTap Port Aggregators can be fully accessed after

loading Net Optics Management Information Base (MIB) file.

Simply Plug It In

Full-duplex monitoring to a single NIC is a snap with the Port Aggregator Tap. All network and monitoring cables necessary for plug-and-play deployment are included with the Tap. Everything you need, right out of the box.

Security, Visibility, and Reliability

You have the option of setting the iTap Port Aggregator so that it will not display data on the LCD and the Management Port will be disabled, thus preventing it from being accessed from the network. The Monitor Ports can also be turned off to prevent unauthorized access to the network link. The monitoring device connected to the iTap Port Aggregator sees all full-duplex traffic including Layer 1 and Layer 2 errors. Redundant power connections provide uptime protection.

iTap GigaBit SX Dual Port Aggregator Tap

- ITP-PAD-SX5-SFP
- ITP-PAD-SX4-SFP

iTap GigaBit LX Dual Port Aggregator Tap

- ITP-PAD-LX5-SFP
- ITP-PAD-LX4-SFP

SFP Modules (minimum order Qty 1 per unit)

- SFPKT-SX (Gigabit Fiber SX SFP)
- SFPKT-LX (Gigabit Fiber LX SFP)
- SFPKT-GCU (Gigabit Copper SFP)

2-Slot iTap Rack Mount Frame

- RK-iTP2

- Two-line display for at-a-glance utilization monitoring
- Threshold LED alarms
- Remote traffic statistics and control
- Security options control user access
- Supports full-duplex monitoring with a single NIC, increasing monitoring efficiency
- 256 MB of memory buffers prevents data loss during excessive traffic loads
- Provides complete full-duplex visibility at 1Gbps without data stream interference or introducing a point of failure
- Passes all traffic (including errors) from all layers for comprehensive troubleshooting
- Redundant power ensures monitoring uptime
- Fully IEEE 802.3 compliant
- Fully RoHS compliant

- Web Manager browser-based interface for remote monitoring and control of individual taps
- Net Optics System Manager for remote control and monitoring of multiple iTaps throughout the network via SNMP
- Net Optics Management Information Base (MIB) is fully compatible with third-party SNMP management tools
- SNMP traps include alarms for utilization level, link status, and power status

- LED indicators show threshold, alarm, redundant power, speed, link, and activity status
- Optional wireless link for wireless PDAs and laptops
- Front-mounted connectors support easy installation and operation
- Silk-screened application diagram illustrates all connections for easy deployment
- All network and monitoring cables included
- Optional 19-inch rack frames hold up to two iTaps
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

- All Net Optics products come standard with a 1 year manufacturer's warranty
- Optional 1 or 2 year extended warranty available at time of product purchase