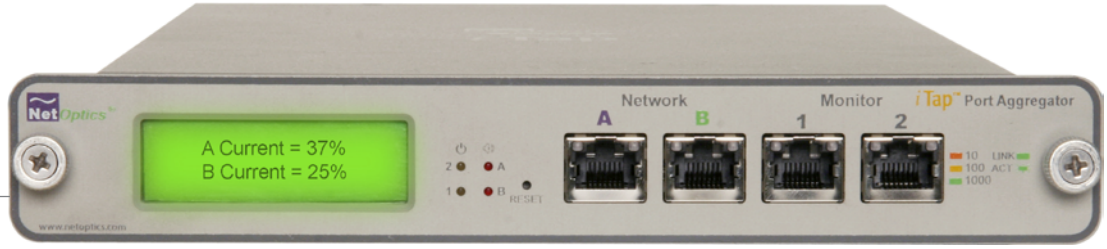
The World's Only Intelligent Tap

Net Optics iTap 10/100/1000 Span Port Aggregator



iTap Technology

intelligent Access

Access

- Real time traffic utilization levels
- Size and time of the greatest traffic peaks
- Counters for total packets, total bytes, collisions, and more
- Status for system, link, and power

Remote

- Browser-based Web Manager
- Management Information Base (MIB) for third-party SNMP tools
- SNMP tool, System Manager
- SNMP traps indicate status changes for system, link, power, and threshold
- Wireless option (IEEE 802.11b,11Kbps)

Control

- Turn off Management and Monitor Ports
- Set utilization alarm threshold
- Reset statistics counters and peak data
- Turn off LCD information

Easy to Use

- Uses only one monitoring device NIC
- At-a-glance monitoring from front panel
- Completely passive and device neutral
- Cables included
- Application diagram shows all connections

Span Port Aggregation

Monitoring individual Span Ports is made easy with the iTap 10/100/1000 (Triple-speed) Span Port Aggregator. By consolidating Span Ports into the aggregator, IT professionals gain valuable information and control from a centralized device. Benefits include improved information visibility, responsiveness and management efficiency. Network analysis devices connected to the monitor ports will also track layer 1 and 2 errors that Span Ports may drop due to overhead.

Intelligent Tap Technology

This new iTap enabled Port Aggregator offers a combination of powerful utilization statistics tracking, internal buffering techniques, security features and remote management capability. Key indicators can now be viewed from anywhere in the organization via two new Net Optics management tools.

- Traffic Statistics
- Buffering
- Front Panel Display
- Security
- Web Manager - individual device management
- System Manager - group based device management

Traffic Statistics

The iTap Port Aggregator combines and regenerates traffic from up to two Span Ports, sending all traffic to either one or two separate monitor ports. iTap intelligence tracks individual Span Port statistics before it's aggregated, keeping this information easily accessible from either the remote or built-in interfaces. Threshold values can also be set for each port to trigger alarms. For example, IT can be alerted to utilization bursts that exceed 35% on the link for either port.

When the threshold value is exceeded, a record is viewable via the management interfaces and the front panel LED. The management interface tracks the level of the highest peak, date and time.

Buffering Bursts

When traffic levels exceed the capacity of the receiving NIC, some products may lose valuable information. The iTap Port Aggregator stores the overflow traffic in buffer memory, ensuring proper operation and statistics. The buffers automatically clear when traffic volume falls below acceptable levels, allowing the Aggregator to absorb bursts without packet loss. For high-load links, 1 GB of memory is available.

See it To Believe IT

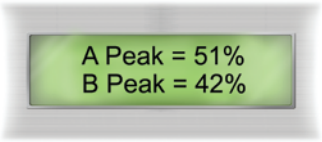
The front panel display and alarm LEDs provide a quick visual display for real-time utilization levels and pre-determined threshold values. When trouble-shooting, utilization statistics for each Span Port can also be viewed. The IT engineer gains valuable insight without the need for extra computers, cables and power outlets. A quick check of the display provides enough information in the event further investigation is required.

After taking action on an alert, values can be reset while logged into the command line interface (CLI) and pressing a front panel "reset" button. These values can also be reset via Net Optics management interfaces.

Security and Access

An available feature allows IT managers to limit access as well. Data on the front panel can be shown or not, and access to the rear panel management port can be enabled or disabled, prohibiting unauthorized access. The monitor ports can also be remotely changed to allow or prevent access.

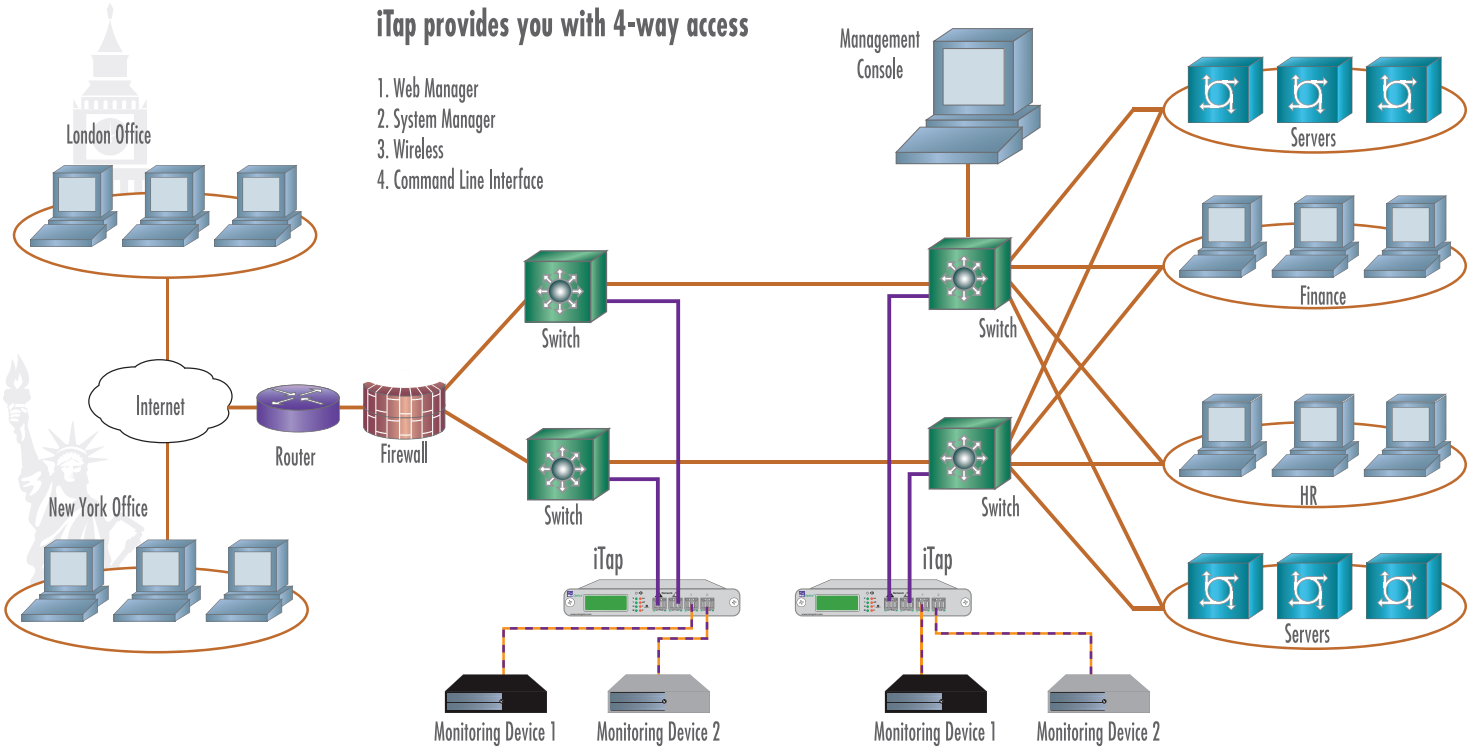
Current utilization is available at a glance



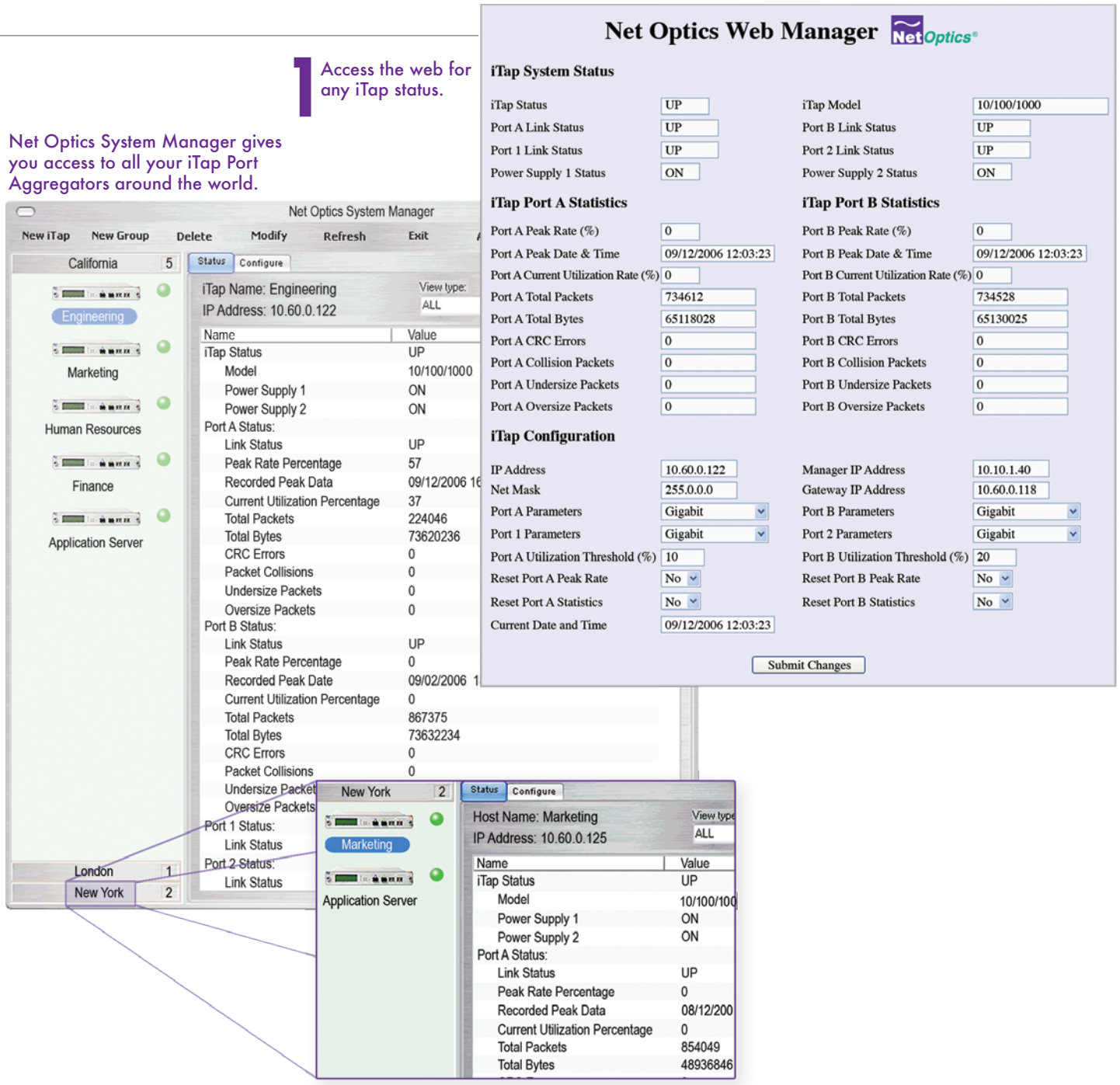
The greatest peaks are also displayed

Remote Management

The Net Optics Web Manager and System Manager software interfaces allow IT managers to remotely view status information, set threshold values, and monitor traffic statistics from our products. These software interfaces can display the number of over- and under-sized packets, packet collisions and peak rates. Alarms can be set and counters reset remotely. To eliminate the possibility of unauthorized personnel using the Span Port Aggregator to gain access to



iTap Port Aggregators form an early warning system to detect network anomalies.



the network, the monitor ports can also be turned on and off. Wireless access is an optional capability for improved on-site access and provides the same level of manageability using laptops, or PDA devices.

Web Manager

Accessing information from a single Net Optics product is achieved through built-in web-based browser management support. Simply target the devices IP address, and login to change settings, view status and retrieve valuable data. A simple, easy to use one-page interface is all it takes.

System Manager

The Net Optics System Manager is an SNMP based interface that offers centralized management for all of Net Optics iTap products. Larger installations that span an organization and its locations can now be managed from anywhere. The need to drive or send someone out to directly connect a cable to a device is a thing of the past.

System Manager runs on a designated management station of your choice to provide a centralized view from important devices across your entire infrastructure. System Manager can also send traps to other management platforms to provide off-site anytime alerts and record tracking. An available MIB allows for the integration of the Net Optics interface in existing management platforms for more efficient infrastructure management.

Features and Benefits

Front Panel Display and LEDs	Real-time utilization and peak traffic information displayed on the front panel saves you time and money spent using other tools to get basic information. Alarm LEDs indicate if traffic levels have exceeded a set threshold, allowing you to respond quickly to changing traffic conditions.
Net Optics Web Manager	Without any specialized software, you can access the traffic information monitored by any iTap Port Aggregator. All you need is a computer with a browser and access to the IP address of the iTap Port Aggregator. No matter where you are, you can control your iTap Port Aggregator and monitor traffic information.
Net Optics System Manager	Net Optics' SNMP management tool, System Manager, gives you single-point control and visibility into any link in the network with an iTap Port Aggregator anywhere in the world. Distributed on strategic links, iTap Port Aggregators provide baseline information and early warning alarms to help you deploy your security and monitoring devices more effectively over more links.
Command Line Interface	The password-protected command line interface gives you complete access to all of iTap Port Aggregator's functionality via an RS232 port. Most importantly, you can use the CLI to disable the Management Port and prevent the front panel display from showing traffic information.
Net Optics Management Information Base (MIB)	Use the iTap Port Aggregator with your current SNMP management tool. Net Optics' MIB and SNMP traps are completely compatible with popular SNMP tools such as OpenView and Tivoli®.
Wireless Option	With the optional wireless communication, you can access your iTap Port Aggregator with any wireless enabled device, including PDAs and laptops. With this wireless freedom, you no longer need to connect a management port to monitor your network.
Aggregation	Net Optics' proven port aggregation technology allows you to monitor traffic using a single NIC on your monitoring device. Unlike any other port aggregator tap, the iTap Port Aggregator monitors utilization levels of both sides of the full-duplex link so this information is not lost. 1GB traffic buffers help ensure that your monitoring device does not miss traffic during bursts.
Cables Included	All cables required for installation are included. Follow the connection diagram on top of the iTap Port Aggregator and you are halfway done with the installation of your iTap Port Aggregator.

Specifications

Copper
Input: 100-240 VAC, 0.5A, 47-63Hz
Output: 12V, 5A
Cable Type: 22-24 AWG Unshielded, CAT5E
Connectors: RJ45, 8-pin Connectors

Electrical
Power Supply Input: 100-240VAC, 0.5A, 47-63Hz
Output: 12V, 5A

Memory
1GB buffer

Environmental
Operating Temperature: 0˚C to 40˚C
Storage Temperature: -10˚C to 70˚C
Relative Humidity: 10% min, 95% max, non-condensing

Mechanical
Dimensions: 1.125" high x 11" deep x 8.5" wide

Indicators
(1) Front Panel Display
(3) Link Status LEDs
(2) Threshold Alarm LEDs
(2) Power Status LEDS

Software
Command Line Interface (CLI): Any terminal emulation software
Net Optics Web Manager: Any browser
Net Optics System Manager: Windows 98, Windows 2000, Windows XP
SNMP V.1

Available Base Models
10/100/1000 Copper

Certifications
Fully RoHS compliant

Part Number
IPA-SCU3

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