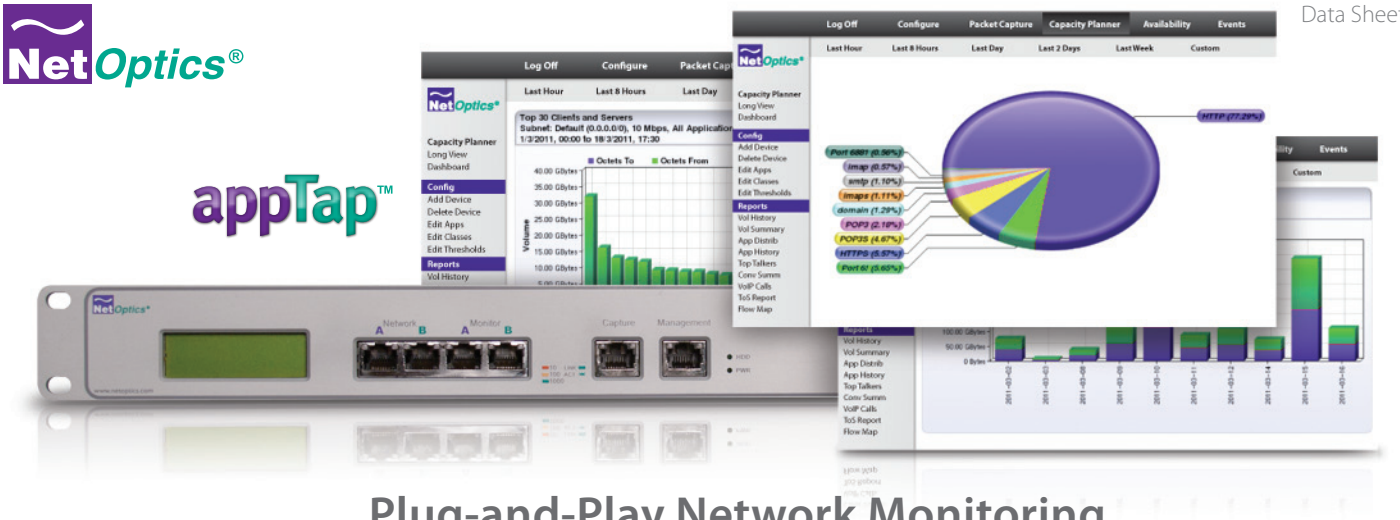


Plug-and-Play Network Monitoring

A single solution to capture network traffic, application activity and VoIP calls

Net Optics appTap™ is an integrated solution designed specifically for distributed sites and satellite offices. This innovative device answers the urgent need of smaller businesses and companies with remote sites. appTap can be used to affordably capture and analyze network traffic, analyze application activity, and monitor VoIP calls. appTap not only monitors multiple sites and devices, it consolidates all inputs onto a single pane of glass for visibility, accurate diagnosis, and quick resolution.

appTap helps network operations and engineering teams monitor and ensure availability of remote networks and application performance. It captures and stores the data needed to diagnose problems, including link errors, oversubscribed resources, misconfigured DNS or proxy servers, choppy VoIP connections, and slow or underperforming applications. Now, field network engineers can use a single integrated solution to find and solve problems "on the go"—supporting network availability and improving efficiency. appTap also helps with capacity planning and trend analysis, enabling early problem detection and ensuring business continuity.

The Remote Monitoring Challenge: Doing More With Less

Today's organizations are challenged to monitor remote locations with up to 100Mb Internet / broadband connections without having to invest in costly, on-site engineers. Recently, increasingly complex applications and architectures have resulted in steeper learning curves, higher costs, and reduced efficiency. Businesses with remote branch sites need an integrated, and easy-to-use monitoring solution that reduces complexity and increases automation while holding down costs.

Network engineers who provide remote support for branch sites need a solution that can be used over the Web to access detailed network performance metrics and understand application behavior.

Field network engineers who provide on site support typically need to travel with three separate tools to diagnose and solve network problems: a Tap device, a network performance diagnostic tool, and a PC on which to run the diagnostic tool.

The appTap Solution: Superior Insight, Monitoring, and Management

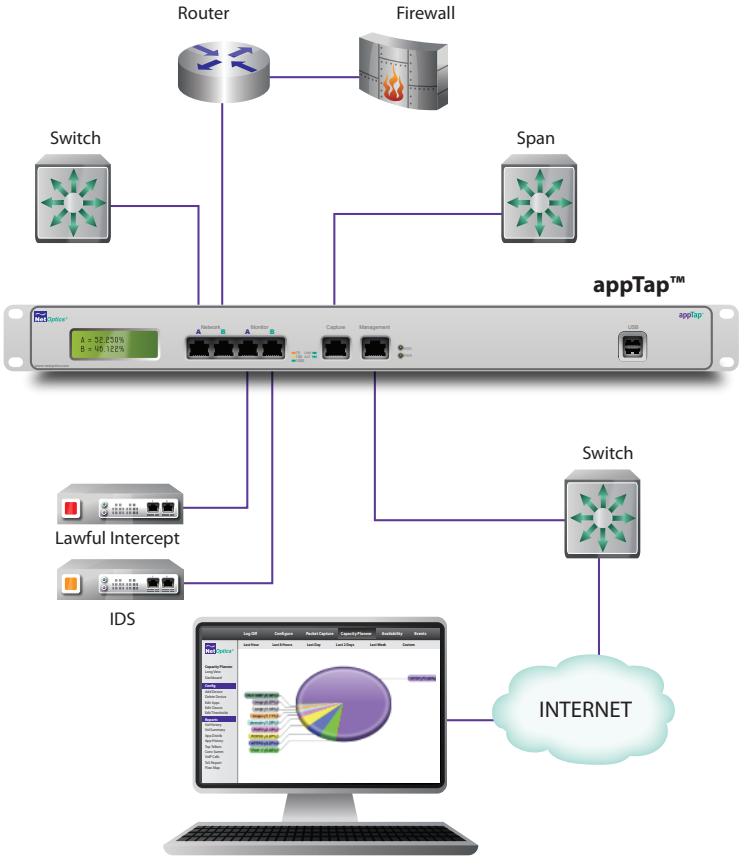
appTap provides continuous access to network data, as well as 100 percent visibility of network traffic and application use. This plug-and-play solution begins adding value within minutes, providing an instant view of key performance indicators such as network volume, Top Talkers, and network use by application. appTap also stores captured data for deferred analysis.

appTap provides deep visibility into application activity such as VoIP calls, Web 2.0 applications, and instant messaging. It also delivers a detailed breakdown of layer, protocol, and application use, including detailed session statistics, while automatically identifying underlying applications. appTap includes extra monitoring ports for use by third-party solutions such as IDS and IPS products. This combination of tap ports and broad monitoring capabilities makes appTap the ideal solution for monitoring smaller networks and remote sites.

At a Glance

- Continuous and ad-hoc packet capture with filter support for selective data capture
- Reveals network usage, latency and bandwidth consumption
- Flow monitoring with flow bounce diagrams
- VOIP SIP/RTP correlation and Individual VOIP call detail
- Additional monitoring ports for use with other solutions
- Expandable storage capacity
- Ensures early detection of, and response to, developing issues
- Streamlines problem isolation and problem diagnosis
- Reduces the need to rely on highly skilled engineers
- Support for concurrent monitoring of multiple networks, sub-nets and VLANs
- Threshold based alerts
- Real-time and historical data view
- Automatic identification of common applications and instant messaging tools
- Generate and export NetFlow data to multiple destinations, integrating with third party solutions
- Capacity planning tools
- Reporting engine with export capabilities
- Built-in reports on Top Talkers, Application Distribution, Conversations, Network Volume, Bandwidth Use, Latency, VOIP use, and many more
- Automated report delivery
- Secure access with multi-user and access level support
- Easy to use, Web-based interface
- Installs in minutes with plug-and-play simplicity

appTap™ A single solution to capture network traffic, application activity and VoIP calls



appTap Offers Unique Flexibility in Monitoring Options

To meet changing demands, the flexible appTap offers three levels of monitoring: **Network Monitoring** captures network data and interoperates with existing management platforms, providing NetFlow export capability back to third-party flow monitoring tools. **Application Monitoring** adds analysis and report tools, breaking down network use by layer, protocol, and application. **Session Monitoring** further expands functionality by adding VoIP support and call detail.

	Network Monitoring	Application Monitoring	Session Monitoring
Network performance statistics	●	●	●
Packet capture	●	●	●
Packet, NetFlow export	●	●	●
Flow bounce diagrams	●	●	●
Access to historical data		●	●
Multi-user support		●	●
Multi-network support		●	●
Application monitoring		●	●
Dashboard, alerting, reporting		●	●
Flow analysis		●	●
VoIP call reports, call details			●
Web access monitoring			●
IM monitoring			●

Specifications and System Requirements

Connectors

Network Ports: 2 RJ45 10/100/1000 Mbps
Monitor Ports: 2 RJ45 10/100/1000 Mbps
Capture Port: 1 RJ45 10/100/1000 Mbps
Management Port: 1 RJ45 10/100/1000 Mbps
Serial console port: RS-232
Power: 2 (redundant) DC barrel jacks
Cabling: 22-24 AWG unshielded twisted pair cable CAT5e or better recommended
Expansion: 2 USB ports

Indicators

1 2x16 character LCD
6 Link LEDs with speed indication
6 Activity LEDs
1 Power LED
1 Disk activity LED
1 Application status LED

Performance

Hardware throughput: Connections with speed up to 100Mb.

Network Connectivity

appTap must be accessible via HTTP or HTTPS (depending on the configuration) to use the application interface. TCP port 80 must be available between the appTap appliance and web clients for HTTP access. TCP port 443 must be available between the appTap appliance and web clients for HTTPS access.

Web Browser

Adobe Flash Plug-In 9 or later
Internet Explorer 7 or later
Firefox 3 or later
Google Chrome 5 or later
Safari 5 or later

Operating

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

Mechanical

Dimensions: 1.72" high x 19" wide x 10" deep
Mounting: 19" inch rack mount

Certifications

Safety: UL, CE
EMC: FCC, VCCI, C-Tick
Environmental: RoHS, WEEE
Protocol: Fully IEEE 802.3 compliant

Part Numbers

APT-100-N for appTap Network Monitoring
APT-100-A for appTap Application Monitoring
APT-100-S for appTap Session Monitoring

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