

ION 5500 Administrative Security Appliance

ION Networks' Hardware Platform Delivers Secure Administrative Access, Monitoring, and Compliance Data Capture

While your firewalls and Intrusion Detection Systems ensure protection of critical data from the general user population, highly privileged administrative users - who are not monitored with the same diligence - still present a significant risk.

ION solutions secure administrative access to your networks and devices by enabling you to define and enforce flexible access, authentication and authorization policies. Supporting a broad range of critical enterprise devices and applications, ION's vendor agnostic solutions provide powerful functionality that ensures secure network device connectivity for IT/system administrative users and complete audit data for analysis and regulatory compliance.

Unlike individual and proprietary point solutions, ION appliances integrate the secure connectivity, monitoring, and event logging of administrator-level users into a single appliance, providing simplified and cost-efficient protection against unintentional or malicious internal or administrative security threats.

ION admin security appliances deliver a wide range of command and data logging features, including the ability for administrators to view shared operator sessions for training, multi-user troubleshooting, or monitoring of third-party access.

When you deploy ION's appliances with PRIISMS -- ION's single sign-on management and control software-- you centralize secure administrative access and control across the distributed enterprise, from low-device-density remote branch sites to the high-density data center. You simplify and secure your complex network environment while lowering your operational expenses.



ION 5500 Front View

The ION 5500 administrative security appliance supports between 4 and 28 console ports to secure directly connected devices, and a network interface to secure up to 64 IP connected devices or applications.

With over 30Mb of memory to store keystroke logging of administrative sessions -- which may be transferred to PRIISMS for centralized storage and viewing -- you have the information you need for routine operational reviews, post-breach analysis, and compliance reporting.

Compact and easy to deploy, each 5500 appliance utilizes only 1U of rack space and can be installed and operational in under an hour to provide immediate protection from both external AND internal security breaches.

By utilizing the capabilities of the ION 5500 security appliance, your complex enterprise network will be protected from a malicious administrative channel attack by a 'trusted' third-party vendor or a simple user error by an inexperienced internal administrator.

ION 5500 Fast Facts: Features & Functions

- Secure access via VPN or Dial-up*
- Multifactor authentication*
- Support for between 4 and 28 physical host ports*
- Policy definition and enforcement*
- Dynamic, policy driven firewall*
- IP and host port user session auditing*
- Privilege setting and command filtering*
- 3DES encryption*
- 30 Mb keystroke session buffer*
- Single Rack Unit footprint*
- Optional environment monitoring module*
- Optional contact closure module*
- Optional additional secure modem*



ION 5500: Technical Specifications

Hardware Attributes:

Dial Up Connectivity

Internal Modems: Up to 2 (v.90/56Kflex, RJ11)

External Modems: Up to 4 (v.90/56Kflex)

Secure Endpoint Connectivity

Serial (physical) ports: 4, 16, and 28 (RJ45)

Isolated Management LAN

10BaseT Ethernet (RJ45)

Administration/Management

Local: Aux port (300bps-115.2Kbps)

Remote: PRIISMS compliant

Session Buffer: 30Mb

Session Buffer Compression Ratio: 3:1

Diagnostic LEDs: Power, Activity, Link

Dimensions

Height: 1.75 inches (4.45 cm) (1U)

Width: 17 inches (43.2 cm)

Depth: 11 inches (28 cm)

Weight: Up to 8lbs (3.63 Kg)

Power: 110/220 VAC 50/60Hz

Environment

Operating Temperature: 32 to 113 F (0 to 45 C)

Storage Temperature: -4 to 140 F (-20 to 60 C)

Humidity: 10% to 90% non-condensing

Compliance

FCC Part 15, Class A; EN55022, Class A;

EN50024; UL; CE

Chassis

Shelf, Wall or Rack Mount (1U)

Options

48 VDC Power

Contact Closures

Power cycling controller

Temperature Sensors

ION 5500 Back View

Overview of Functionality:

Access

Client Access: Telnet, Dial-up (ASCII, PPP), IPSec, PPTP, SSH

Managed Endpoint Access: TCP/IP, Telnet, PPP

Password Brokering

IP address translation*

Appliance transparency*

Authentication

Multifactor Authentication

Soft Token support

Token key generation*

Third party token support*

Authorization

System wide policy management*

Policy based destination routing*

Dynamic, policy-driven firewall

User/Group privilege levels

Static command filtering

User based command filtering*

Audit

User session logging

Log and buffer consolidation and inspection*

Logging of unsuccessful access attempts

Log tampering protection

Administration

Real-time session status

Real-time session termination

Real-time session sharing

Configurable event severities

User configuration files

User downloadable configuration scripts

Alarm delivery

In band/out of band to PRIISMS*

Dial-up, pager, SNMP, email, custom third party application

Log, buffer delivery via:

XMODEM, FTP, XML

Real-time in band/out-of-band event notifications

Event forwarding to SNMP enabled NMS

ION/User customizable filter, action and

command scripts

*Requires ION PRIISMS

