

Network Critical SmartNA-X



Integrated 1G/10G TAP and Port Aggregation for next generation network security and monitoring appliances

The SmartNA-X device is a fully flexible and customizable solution. Flexible because any of the ports can be used as a TAP input source or data output source. Customizable because it has a range of modules that can be hot-swapped for different network environments.

The SmartNA-X™ solution includes a 1U high 19-inch rack-mountable chassis and a range of expansion modules to enable access for network monitoring tools and security probes. Standard features include; 2 fixed 10Gb ports, 4 module slots for system expansion one hot-swappable AC or DC Power Supply and dual hot-swappable cooling fans providing front-to-rear airflow. Managed through secure WUI and SSH, with SNMP v1-3 and RADIUS/TACACS+ support via an out-of-band 10/100/1000 MbE port, or through CLI via a serial port.

Options include 4 customer fitted modules providing an additional 16 ports, giving a total maximum of 18 ports, either 4 x 10Gb and 14 x 1Gb ports, or 2 x 10Gb and 16 x 1Gb ports, all ports can be independently assigned as input or output ports. In addition a further hot-swappable power supply can be fitted. Accessories include region-specific IEC C13 power lead, mounting brackets and serial console cable DE9/8P8C(RJ45).

The device can be locally managed via a serial console and remotely managed via HTTPS, SSH and SNMP (v3) including support for IPv4 and IPv6. Hardware based filtering allows traffic to be identified according to source and destination address (MAC/IP as well as by specific protocols (such as HTTP, VOIP etc) All Network Critical managed devices support field software updates.

FEATURES

- SSL secured management interfaces
- Easy to use web interface with support for click-n-drag port mappings.
- Filtering
- Secure Command line interface
- SNMP remote status monitoring and alert notifications
- Local or external authentication and authorization via RADIUS and TACAS+
- Hot-swappable TAP modules that allow continuous monitoring even while they are being switched
- Fail-safe ports that will permit data traffic to flow even after a TAP failure
- Dual independent power connectors
- Advanced packet filtering
- Three user access levels: Administrator user, Standard user, Audit user
- VLAN Tagging
- Stacking
- Jumbo Frame Support

BENEFITS

- Maximum visibility for monitoring and security tools
- Increased tool efficiency and ROI
- Lower CapEx and OpEx for network tools
- Provision new tools quickly by eliminating SPAN port contention
- Manage network visibility and access centrally, remotely and or locally
- Increase your monitoring and security tool efficiency



Network Critical
The Window to your Network™



Ordering Details

System Chassis

- 5010 Filtering Chassis, (2) 10Gb SFP+ rear ports, (1) 1&10Gb Module Slots, (3) 1Gb Module Slots
 5011 Filtering Chassis, (1) 1&10Gb Module Slots, (3) 1Gb Module Slots

Power Supply Units & Fan Assembly

- 5101 (1) AC C14 Hot-Swappable PSU
 5102 (1) DC Terminal Hot-Swappable PSU
 5201 (1) Modular Fan Assembly Tray

1&10Gb Modules

- 5501 1&10Gb Filtering Module, (2) SFP+ Ports and (2) SFP Ports

1Gb Modules

- 5511 1Gb Filtering TAP Module, (4) 10/100/1000MbE Copper Ports
 5521 1Gb Filtering TAP Module, (2) SX (Active - Optical Patch Lead) & (2) 10/100/1000MbE Copper Ports
 5522 1Gb Filtering TAP Module, (2) LX (Active - Optical Patch Lead) & (2) 10/100/1000MbE Copper Ports
 5523 1Gb Filtering TAP Module, (2) SX (Passive - Optical Splitter) & (2) 10/100/1000MbE Copper Ports
 5524 1Gb Filtering TAP Module, (2) LX (Passive - Optical Splitter) & (2) 10/100/1000MbE Copper Ports
 5531 1Gb Filtering TAP Module, (2) 10/100/1000MbE Copper Ports & (2) SFP Ports
 5543 1Gb Filtering TAP Module, (2) SX (Active - Optical Patch Lead) & (2) SFP Ports
 5544 1Gb Filtering TAP Module, (2) LX (Active - Optical Patch Lead) & (2) SFP Ports
 5545 1Gb Filtering TAP Module, (2) SX (Passive - Optical Splitter) & (2) SFP Ports
 5546 1Gb Filtering TAP Module, (2) LX (Passive - Optical Splitter) & (2) SFP Ports

Warranty

- Gold Support Upgrade 1st year premium hardware and software maintenance upgrade
 RTF 2nd year Standard Return to Factory hardware and software maintenance
 Gold Support 2nd year premium hardware and software maintenance

CONTACT DETAILS

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PHYSICAL & TECHNICAL SPECIFICATIONS

Weights & Dimensions

Chassis

Height 44.00mm
 Width 450.50mm
 Depth 436.00mm
 Weight 2.20kg

Power Supply unit

Height 42.00mm
 Width 112.00mm
 Depth 206.00mm
 Weight 0.40kg

10Gb module

Height 23.5mm
 Width 95.00mm
 Depth 181.00mm
 Weight 0.25kg

1 Gb module

Height 23.5mm
 Width 95.00mm
 Depth 181.00mm
 Weight 0.25kg

Regulatory Compliance

Safety EN60950-1 ; UL60950-1; CSA C22.2
 Emissions EN55022 class A
 Immunity ESD: EN61000-4-2, Radiated: EN61000-4-3, EFT/ Burst: EN61000-4-4, Surge: EN61000-4-5, Conducted EN61000-4-6, Power frequency magnetic field: IEC 61000-4-8, Voltage dips & interruptions: IEC 61000-4-11, Harmonics: EN 61000-3-2, Flicker: EN 61000-3-3

Authentication / Authorisation

Radius
 TACAS+

Management

CLI via SSH
 Web Browser via HTTPS
 SNMP v1/v2c/v3 support
 IPv4 and IPv6 support

Environment

RoHS compliance Yes
 Operating temp. 0°C to 40°C
 Operating humidity 20% to 80% non-condensing
 Storage temp. -20°C to 70°C
 Storage humidity 15% to 85% non-condensing

Standards and Protocols

IEEE 802.3 10Base-T
 IEEE 802.3u 100Base-TX
 IEEE 802.3ab 1000Base-T
 IEEE 802.3ae 10Gb

Power Supply Units / Cooling Fans

AC Power Supply 2 power supply slots at rear provide 1+1 redundant power, hot-swap and load sharing
 Input voltage: 84 to 264 VAC
 Input frequency: 47-63 Hz
 Input Current: 2 A max @ 115 VAC, 1 A max @ 230 VAC
 Cooling Hot swappable fan tray includes dual fans providing air cooling with front to rear airflow - total 15.4 CFM forced