

SmartNA-X HD™ 5000 Series Aggregation, Filtering and Load Balancing



The SmartNA-X HD™ 5000 series helps organizations leverage monitoring tool investments and reduce CAPEX. The solution is a fully software upgradeable, high-performance and high-density (24 & 48 SFP+ ports) 10-Gigabit-focused solution enabling organizations to send the right traffic to the right tools.

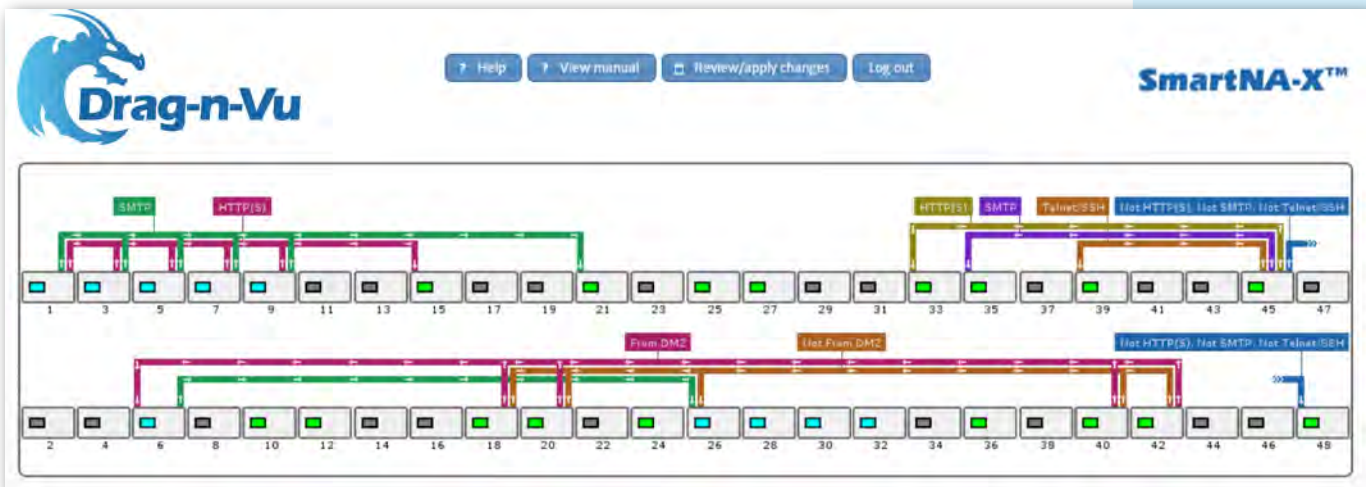
The revolutionary, patented Drag-n-Vu™ technology allows organizations to filter traffic based on IP addresses, protocols, ports and VLANs to provide improved network visibility across the entire network to deliver a more efficient monitoring access environment. Session Aware Load Balancing prevents tool oversubscription by distributing the traffic to multiple monitoring tools.

Drag-n-Vu™ technology makes it easy to add complex filter rules and port mapping, virtually eliminating configuration time as well as costly mistakes. Tools can be moved from one link or set of links to another without physically unplugging or plugging cables or moving devices.

Each of the SFP+ port accepts 10G SFP+ and 1G SFP transceivers allowing 1 and 10G links, SPAN ports and monitoring tools to interconnect over a variety of network media types and speeds. The solution can also aggregate traffic from multiple 1G and 10G links, load balance and distribute to 1G or 10G tools.

Benefits:

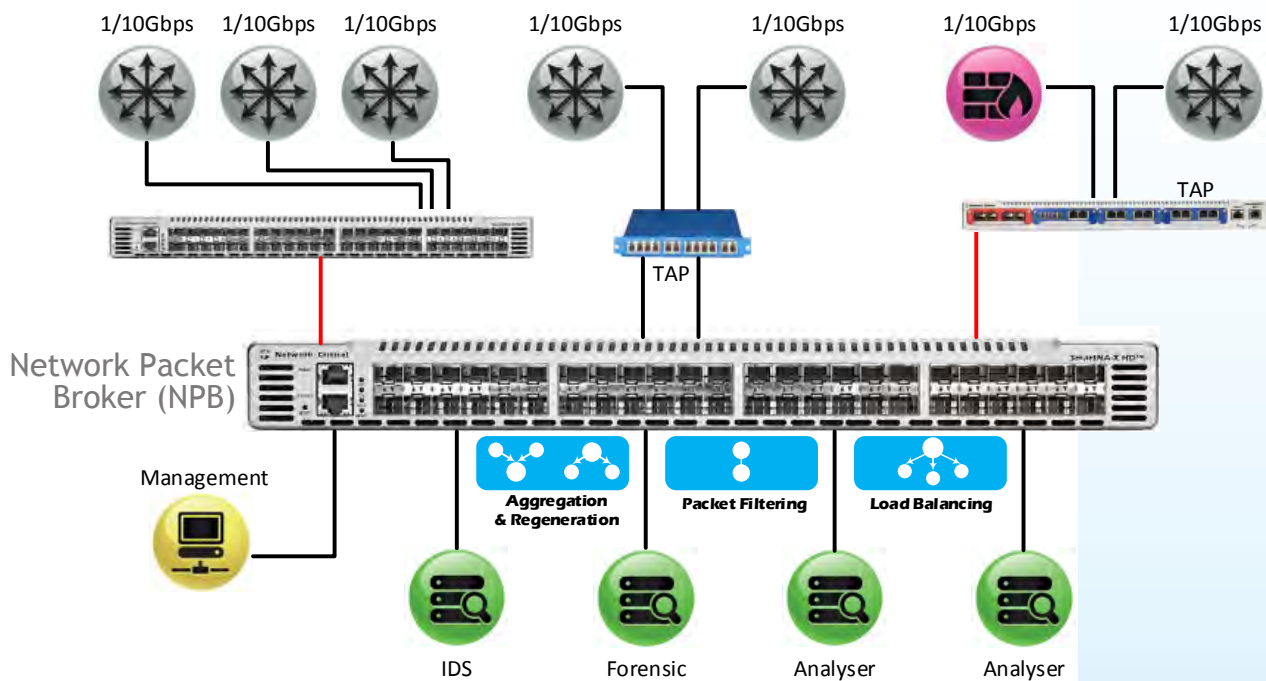
- Revolutionary, patented Drag-n-Vu™ technology simplifies and guarantees correct configuration
- Maximizes visibility for monitoring and security tools
- Increases tool efficiency and ROI
- Lowers CAPEX and OPEX for network tools
- Quickly provisions new tools by eliminating SPAN port contention
- Manages network visibility and access remotely or locally



Key Features Include

- Revolutionary, patented Drag-n-Vu™ technology for fully configurable filtering, port mapping and improved monitoring flexibility
- Session Aware Load Balancing by IP address, protocol, port, VLAN, MAC address or other parameters. 9-tuple
- Single Pane Management of multiple devices
- Support for RADIUS and TACACS+
- SNMPv3 integrates with all major NMSs
- Ability to use all ports as input and output at the same time, doubling the port count to 96 (5048 model)
- Media Conversion via SFP and SFP+ transceivers on both network input and monitor output ports
- LEDs indicating activity and power status
- High Density 1U form factor for both 24 and 48 port versions
- Dual redundant hot swappable power supplies (AC and DC)

Deployment Fabric



Ordering Details

System	
5024	SmartNA-X HD System, (24) SFP/SFP+, base system including aggregation (upgradeable), 1 AC PSU
5048	SmartNA-X HD System, (48) SFP/SFP+, base system including aggregation (upgradeable), 1 AC PSU
5121	SmartNA-X HD PSU, C14 Hot-Swap AC PSU
<i>SFP+ or SFP transceivers are required for operation and are sold separately</i>	
Upgrade Kits	
FPK-12	Filter Pack (12 port license). Ability to filter packets against multiple parameters
FFPK-12	Full Feature Pack (12 port license) including Filtering and Load Balancing
UPGPK-12	Filter to Full Feature Pack Upgrade (12 port license)
SFP+ kits -10Gbps	
Transceiver SFP+ 10G BASE-ER	Transceiver SFP 1000 BASE-LX
Transceiver SFP+ 10G BASE-LR	Transceiver SFP 1000 BASE-SX
Transceiver SFP+ 10G BASE-SR	Transceiver SFP 1000 BASE-T
Warranty	
Gold Support Upgrade	Premium hardware and software maintenance upgrade

Specifications

Performance <i>Hardware</i> 24 Port - 480 Gbps throughput (full line rate performance) 48 port - 960 Gbps throughput (full line rate performance)	Chassis <i>Environment</i> Operating Temperature: 0°C to 40°C Non-Operating Temperature: -40°C to 70°C Humidity: 5% to 95% (non-condensing)
Architecture <i>Port mapping</i> Aggregation, any number of ports in; regeneration, any number of ports out; any-to-any, any-to-many, many-to-any, and many-to-many; any port can be used as an input, an output, or both simultaneously. Monitor ports can be used as additional network ports and network ports can be used as additional monitor ports	<i>Mechanical</i> Dimensions: (W x D x H) 440 x 596 x 44 mm Mounting: Surface or 19" rack mount (1U) Weight: 10kg (22 lbs) LED Indicators: PSU1, PSU2, Diagnostics, Link status, Management
<i>Management</i> Web UI (Drag-n-Vu™) CLI via SSH SNMP v1/v2c/v3	<i>Physical Ports</i> 24 - 10 Gigabit SFP+ ports 1 - RJ45-console port 2 - PSU slots for removable power supplies 1 slot for a removable fan tray
<i>Authentication / Authorization</i> Radius TACACS+	<i>Hot-swappable modules</i> Power: (2) AC universal or (2) -48VDC, redundant
Certifications Safety: MET, CE EMC: FCC, KC Environmental: RoHS, WEEE Protocols: Fully IEEE 802.3xx compliant	<i>Electrical</i> AC Input: 84-264VAC DC Input: -40VDC nominal -40 to -72VDC, 13.9A

To learn more about Network Critical's network access solutions, visit us at:

www.networkcritical.com