



Network Critical
The Window to your Network™

SmartNA-XL™

End to End Visibility

DATA SHEET



The SmartNA-XL™ chassis offers five slots to integrate a wide variety of TAP modules that safely connect tools while protecting network reliability and availability. Even if power fails, your network traffic will continue to flow.

Modular, customizable TAP modules with a total of twenty 1/10Gbps SFP/SFP+ ports can be utilized providing network input and tool connection ports anywhere on the system. In addition to the four front facing 1/10Gbps slots, there is a fifth slot in the rear for another 1/10G module that allows stacking of units for Scalability.

The powerful non-blocking backplane allows traffic to flow at 10Mbps to 40Gbps. The SmartNA-XL™ also provides flexibility in TAP modes as well. Available modules include standard out-of band TAP modules as well as Parallel/Series Dual Active Bypass mode for high availability, hot standby, in-line access for sending real time traffic to tools and back to the network. Utilize more of your specialized tools to protect against the ever widening threat landscape.

With Network Critical's unique scale-out capabilities, your network design may only

Network Critical's SmartNA-XL™ provides the high speed performance and flexibility needed to manage tools that protect network infrastructure, secure information and keep up with the ever-changing attack environment. High flexibility and simple deployment in a modular 1 RU chassis make the SmartNA-XL™ the clear leader in network access and visibility.

require one or two modules today. With the SmartNA-XL™, you can effortlessly add modules and connect systems to grow your visibility platform as you network grows.

The SmartNA-XL™ can also save CapEx by helping your tools perform more efficiently. Filtering data that is not needed and aggregating under-utilized links can help dramatically reduce the number of tools needed to secure and manage network links. Further, the SmartNA-XL™ has increased rule capacity. This allows the simple deployment of complex, overlapping filter designs. Filter rules

are independent and can be applied to any port. Protect all links with fewer tools.

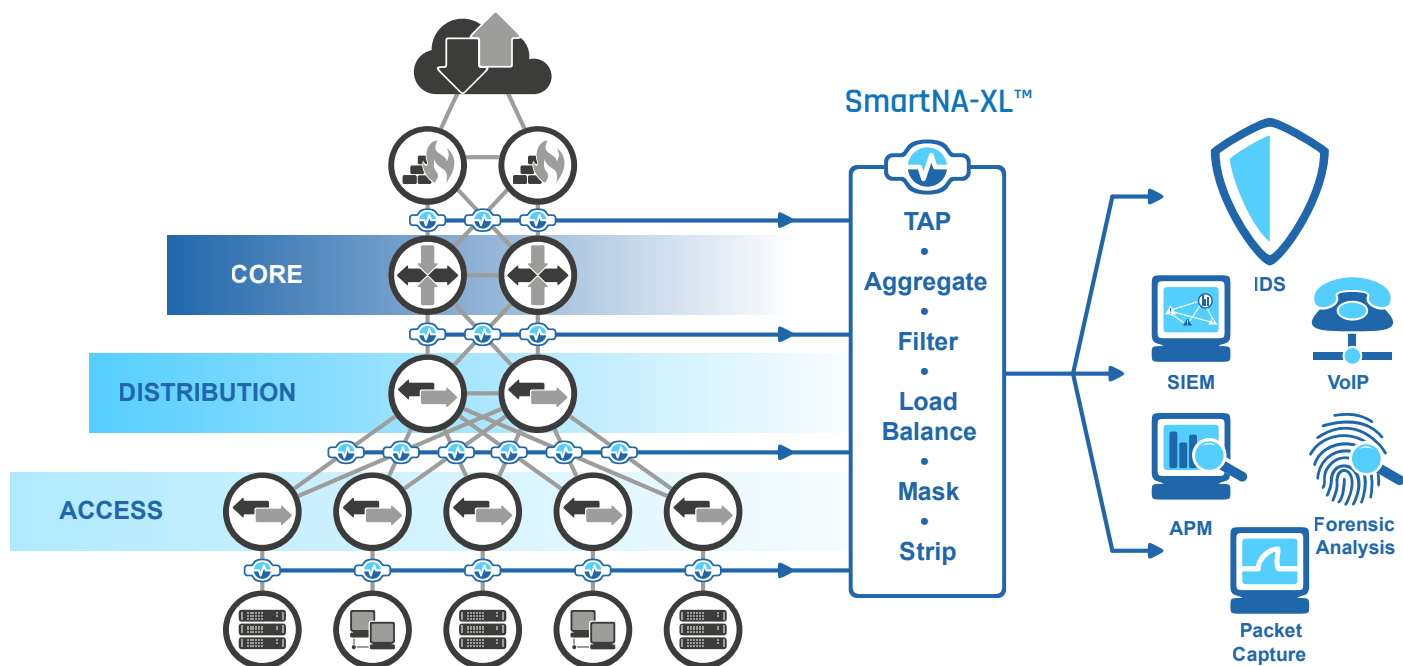
The SmartNA-XL™ is managed by Network Critical's unique Drag-n-Vu™ Web GUI interface that makes deployment and change-management simple and accurate. Advanced features such as aggregation, filtering, load balancing and port mapping save OpEx by reducing planning, configuration and tool management.

Network Critical's SmartNA-XL™ enables organizations to manage the flow of information securely, efficiently and reliably.



KEY FEATURES	BENEFITS
Powerful, flexible 1G/10G modular TAP & Packet Broker system; custom access solutions for new high speed networks while also supporting lower speed legacy tools	Compatible with all major manufacturers' monitoring tools, including protocol analyzers, probes, and IDS
PacketPro™ advanced packet manipulation: Packet Slicing, Header Stripping, Payload Masking	Primary access solution for all packet capture, performance monitoring, lawful interception and forensic analysis applications
Passive Fiber Optic Gigabit TAP modules	Zero latency, no point of failure
Bypass 10 Gigabit TAP modules - automatic appliance bypass, no point of failure	100% safe and efficient deployment of in-line tools
Dual hot-swappable power supplies	Ensuring reliability and resiliency
Hot-swap TAP modules for easy re-configuration and expansion to meet evolving network demands	Flexible provision of new tools quickly and easily
Secure SNMP monitoring for integration into Network Management Systems	Real-time alerting
Fastfail™ Copper Gigabit TAP modules	No point of failure, batteries not required
Intelligent and intuitive Drag-n-Vu™ user interface for fast, error-free configuration.	Dashboard provides at-a-glance views of key performance indicators. Provision new tools quickly and easily, eliminating SPAN port contention

KEY FEATURES	BENEFITS
Key enabler with regulations such as SOX, HIPAA, and PCI-DSS	Meets compliancy requirements
Full configuration upload/download	Simplifying deployment of multiple systems
IP/GRE/NVGRE/VXLAN Encapsulation	Allows for point-to-point tunneling
Field replaceable fan tray	Easily maintained hardware
L2-4 Packet filtering, VLAN Tagging, Load Balancing	Manipulation of traffic for monitoring requirements



PRODUCT SPECIFICATIONS

Ports	Management ports: 1x Ethernet, 1x Serial User definable: (Copper, SMF, MMF, SFP/SFP+ options available) Max 10Gb: 20 QSFP Max 40Gb: 2
Slots	4x 1G/10G Front Slots, and 1x 1G/10G Rear Slot
Power	AC: 100V to 240V, DC: -42V to -63V, 30W (No modules present)
Authentication & Authorization	Local, RADIUS, TACACS+
Physical	Dimensions (mm): 450 (w) x 44 (h) x 450 (d), Mass: 2.2 Kg
Management	CLI via SSH & Serial, Web UI via HTTPS, SNMP v1/v2c/v3
Standards & Protocols	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-X, IEEE 802.3ae 10GBASE-X, IEEE 802.3ba 40GBASE-X
MTU	10240 bytes (untagged), 10244 bytes (802.1q tagged)
Environment	RoHS Compliant, Operating temperature: 0°C to 40°C, Operating relative humidity: 20% to 80% non-condensing, Storage relative humidity: 15% to 85% non-condensing, Storage temperature: -20°C to 70°C
Compliance	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, Safety: EN60950-1

SELECTED PART NUMBERS (MORE MODULE TYPES ARE AVAILABLE ON REQUEST)
Chassis Options

5555	SmartNA-XL Chassis, 5 Module Bays, Drag-n-VU, Dual AC PSU
5556	SmartNA-XL Chassis, 5 Module Bays, Drag-n-VU, Dual DC PSU
5050	SmartNA-XL Chassis, 5 Module Bays, Drag-n-VU, Chassis only
5151	SmartNA-XL PSU, Hot-Swap AC Power Supply
5152	SmartNA-XL PSU, Hot-Swap DC Power Supply
5251	SmartNA-XL Hot-Swap Fan Unit

New SmartNA-XL Modules

5551	SmartNA-XL TAP Module, (4) RJ45-10GbE	Available 2021
5552	SmartNA-XL Module, (4) 1/10GbE SFP/SFP+	
5550	SmartNA-XL Module, (2) 40G QSFP	Available 2021
5841	SmartNA-XL V-Line Bypass Module, (2) SR Optical, (2) 10GbE SFP+	
5842	SmartNA-XL V-Line Bypass Module, (2) LR Optical, (2) 10GbE SFP+	
5583	SmartNA-XL TAP Module, (2) SR Optical Split, (2) SFP+	Special Order Item
5584	SmartNA-XL TAP Module, (2) LR Optical Split, (2) SFP+	Special Order Item
5901	SmartNA-XL PacketPro Module, (4) 1/10GbE Packet Processing Engines	Available 2021

Compatible SmartNA-X Modules

5511	SmartNA-X/XL Module, (4) RJ45-10/100/1000 Ethernet
5521	SmartNA-X/XL Module, (2) SX Optical, (2) RJ45-10/100/1000 Ethernet
5522	SmartNA-X/XL Module, (2) LX Optical, (2) RJ45-10/100/1000 Ethernet
5523	SmartNA-X/XL Module, (2) SX Optical Splits, (2) RJ45-10/100/1000 Ethernet
5524	SmartNA-X/XL Module, (2) LX Optical Splits, (2) RJ45-10/100/1000 Ethernet
5531	SmartNA-X/XL Module, (2) RJ45-10/100/1000 Ethernet, (2) 1GbE SFP
5543	SmartNA-X/XL Module, (2) SX Optical, (2) 1GbE SFP
5544	SmartNA-X/XL Module, (2) LX Optical, (2) 1GbE SFP
5545	SmartNA-X/XL Module, (2) SX Optical Splits, (2) 1GbE SFP
5546	SmartNA-X/XL Module, (2) LX Optical Splits, (2) 1GbE SFP
5701	SmartNA-X/XL PacketPro Module, (4) 1GbE, (2) 10GbE Packet Processing Engines
5611	SmartNA-X/XL V-Line Bypass Module, (4) 10/100/1000 Ethernet
5621	SmartNA-X/XL V-Line Bypass Module, (2) SX Optical, (2) 10/100/1000 Ethernet
5622	SmartNA-X/XL V-Line Bypass Module, (2) LX Optical, (2) 10/100/1000 Ethernet
5631	SmartNA-X/XL V-Line Bypass Module, (2) 10/100/1000 Ethernet, (2) 1GbE SFP
5641	SmartNA-X/XL V-Line Bypass Module, (2) SX Optical, (2) 1GbE SFP
5642	SmartNA-X/XL V-Line Bypass Module, (2) LX Optical, (2) 1GbE SFP

For more information about the SmartNA-XL™ system, please visit www.networkcritical.com

For quotes and inquiries, please contact sales@networkcritical.com

