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SmartNA-PortPlus TA™

Entry-Level Traffic Aggregator 1G/10G/40G/100G

DATA SHEET

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The SmartNA-PortPlus TA™ provides a scalable range from 48 ports to 194 ports of 1/10/40 and 100Gbps visibility, enabling users to interconnect different network protection and monitoring tools quickly and easily. Packaged in a compact single RU chassis the SmartNA-PortPlus TA™ offers immediate value for today and an efficient path to the inevitable adds and changes for tomorrow.

Network Critical's innovative SmartNA-PortPlus TA™ Network Traffic aggregator bridges the gap between todays ultra high speed networks and existing management, monitoring and security tools.

Beyond server-ready high-speed connectivity for security and monitoring tools, the SmartNA-PortPlus TA™ is also a feature rich traffic manager. Advanced features such as aggregation, filtering, graphical port mapping and load balancing of core network traffic allow users to leverage their tool investment.

SmartNA-PortPlus TA™ is powered by Network Critical's unique Drag-n-Vu™ software, a sophisticated computational engine with an intelligent and intuitive graphical user interface that enables fast, error-free configuration and management.

The fastest processing, highest density, most flexible combination of port speeds and simplest management make Network Critical's SmartNA-PortPlus TA™ the best choice for complete network visibility.

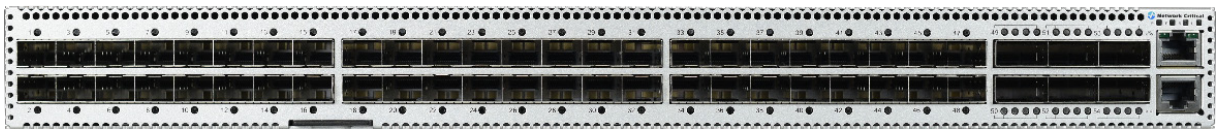
Connect, add and change network protection and monitoring tools fast and easy with the uniquely flexible architecture of the SmartNA-PortPlus TA™. The base unit provides up to 48 ports of 1/10 Gbps access plus 6 ports of 100Gbps access in a non-blocking single RU chassis.

Adapting to users evolving needs, our upgraded unit adds 2 QSFP ports and offers SFP+ to SFP28 port upgrades for enhanced flexibility and scalability. With SmartNA-PortPlus TA™, your network grows seamlessly, accommodating up to 194 ports.

When more ports are required in the future, simply add another 48 port unit. The additional ports are connected to the base unit allowing traffic mapping, filtering and other features to function as a single unit. There is no need to change out, throw away or re-deploy the initial unit.

The same port speeds and rich features that are included in the base unit are all available as expansion units are added. New high speed tools can be added to 40/100 Gbps ports. Existing legacy tools can stay in service using lower speed 1/10/25 Gbps ports compatible with the processing capability of the tools.

Port flexibility and load balancing allow continued deployment of legacy monitoring and security tools. Scalable architecture provides an economical yet highly featured entry point and an efficient growth path.



KEY FEATURES	BENEFITS
High density, high performance scalable NTA: Next-generation network and server ready base unit 48 x 1/10G ports + 6 x 40/100G ports.	Scalable to 194 ports of 1/10/40 & 100G. High port density saves rack space. The full range of port speeds protect against obsolescence
Intelligent and intuitive Drag-n-Vu™ user interface for fast, error free configuration, deployment and management	Single pane-of-management portal for the entire SmartNA-PortPlus™ system.
Non-blocking architecture, Line Rate System Throughput 1.8 Tbps	Performance to accommodate powerful network speeds
Dual Hot Swap power supplies and fans for greater resilience	Robust data center solution

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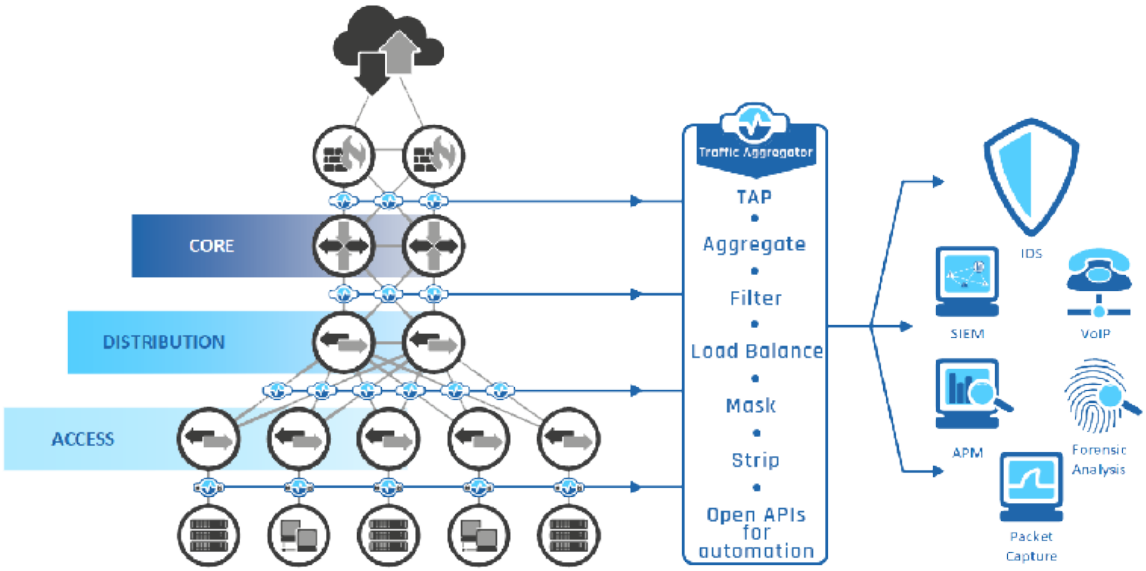
KEY FEATURES	BENEFITS
Quickly provisions new tools by eliminating SPAN port contention	Speeds up project completion
Session Aware Load Balancing by IP address, protocol, port, VLAN, MAC address or other parameters.	Leveraging Inline tools, enabling maximum network performance
SNMPv3 integrates with all major NMSs	Enabling greater tool management
Custom P-Tag functionality enables complex traffic processing workflows	Pinpoint tool optimization
Programmable architecture purpose-built to support workload density, emerging protocols and new technologies	Future-proofing the visibility solution
Support for RADIUS and TACACS+ Authentication, Authorization and Accounting	Enables for audit trail and accountability



BASE UNIT SPECIFICATIONS	
Interfaces	48 x 1/10G ports + 6 x 40/100G ports OOB: 1x 10/100/1000 Mbps Ethernet RJ-45 1x RS-232 Console RJ-45
Management	Web UI (Drag-n-Vu™) via HTTPS/HTML5, CLI via SSH/RS-232, SNMP v1/v2c/v3
Environment	Operating Temperature: 0˚C to 45˚C, Non-Operating Temperature: -20˚C to 70˚C, Relative Humidity: 20% to 80% (non-condensing)
Mechanical	Dimensions: (W x D x H) 440 x 434 x 44 mm Mounting: Surface or 19" rack mount (1U) Weight: 10kg (22 lbs)
Electrical	Power Consumption: 600W AC Input: 84-264VAC, 8-4A DC Input: -40VDC nominal -40 to -72VDC, 13.9A
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" (same as SNA-X)
Performance	1.8Tbps throughput (full line rate performance)
MTBF	SNA-PP 6000: >582,692 hours

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As your business grows, scale-up your network

SmartNA-PortPlus™ NPB - 1RU

SmartNA-PortPlus™ NPB - 2RU

SmartNA-PortPlus™ NPB - 3RU

PART NUMBERS - SmartNA-PortPlus TA Scalable Network Traffic Aggregator Base Unit	
6000-AC	SmartNA-PP-TA, 48 x 1/10G SFP+, 6 x 40/100G QSFP, Traffic Aggregator, Filtering, Drag-n-VU, Dual AC PSU
6000-DC	SmartNA-PP-TA, 48 x 1/10G SFP+, 6 x 40/100G QSFP, Traffic Aggregator, Filtering, Drag-n-VU, Dual DC PSU

Protect, monitor and secure your network now and into the future with the SmartNA-PortPlus TA™ Network Traffic Aggregator. For more information about the SmartNA-PortPlus TA™, please visit www.networkcritical.com
For quotes and inquiries, please contact sales@networkcritical.com

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