



Network Critical
The Window to your Network™

SmartNA-PortPlus PRO™

Scalable Network Packet Broker 1G/10G/25G/40G/100G

DATA SHEET



The SmartNA-PortPlus PRO™ provides a scalable range from 48 ports to 194 ports of 1/10/25/40 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 Pro™ offers immediate value for today and an efficient path to the inevitable adds and changes for tomorrow.

Beyond server-ready high-speed connectivity for security and monitoring tools, the SmartNA-PortPlus PRO™ 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 PRO™ 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 PRO™ the best choice for complete network visibility.

Network Critical's innovative SmartNA-PortPlus PRO™ Network Packet Broker bridges the gap between today's ultra high speed networks and existing management, monitoring and security tools.

Connect, add and change network protection and monitoring tools fast and easy with the uniquely flexible architecture of the SmartNA-PortPlus PRO™. 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.

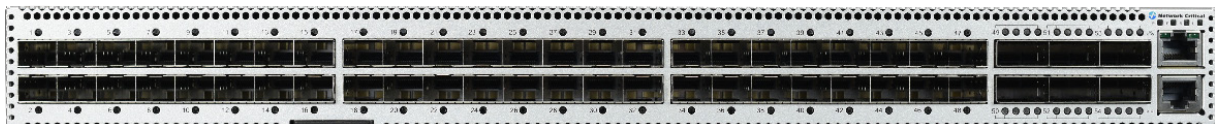
Adapting to users' evolving needs, our upgraded unit adds 2 QSFP ports and offers SFP+ to SFP28 port upgrades for enhanced flexibility and scalability. With SmartNA-PortPlus PRO™, your network grows seamlessly, accommodating up to 194 ports.

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.

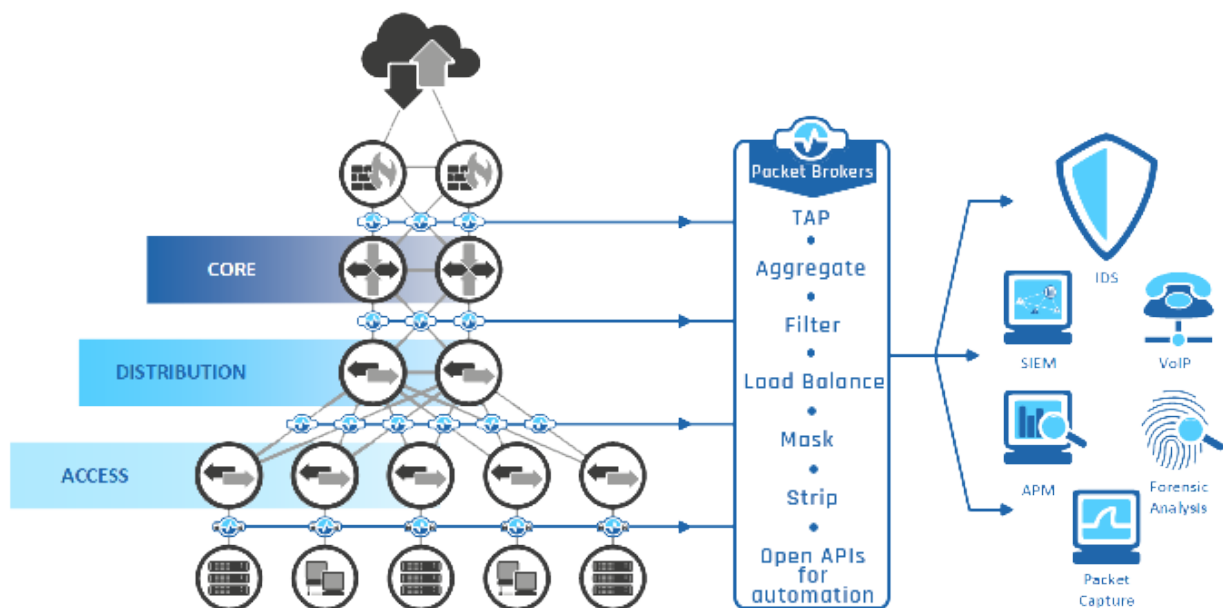


KEY FEATURES	BENEFITS
High density, high performance scalable NPB: Next-generation network and server ready base unit 48 x 1/10G ports + 6 x 40/100G ports. Can be upgraded to 48 x 1/10/25G + 8 x 40/100G	Scalable to 194 ports of 1/10/25/40 & 100G. High port density saves rack space. The full range of 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 PRO™ system.
Non-blocking architecture, Line Rate System Throughput 1.8 Tbps	Performance to accommodate powerful network speeds
Quickly provisions new tools by eliminating SPAN port contention	Speeds up project completion
Dual Hot Swap power supplies and fans for greater resilience	Robust data center solution

KEY FEATURES	BENEFITS
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

PRO ADVANCED FEATURES

KEY FEATURES	BENEFITS
Traffic Tunnelling for remote data monitoring	Secure data transmission and scalable monitoring capabilities
Precision Time Stamping functionality	Maintain network visibility and security with performance analysis, real-time monitoring, compliance, forensic analysis and QoS monitoring
Aggregate, Filter and Load Balance core network traffic across existing and future portfolios	Optimized network performance and resource efficiency as well as improved resilience
Packet Slicing for faster data analysis and increased tool processing	Reduce processing overhead and accelerate data analysis
Flow mapping and forwarding	Granular traffic handling and optimised resource allocation
Rule-based Statistic Counter	Monitor traffic flows and how often filters are used
Advanced Resilient Hashing load balancing method	Minimise destination path remapping



BASE UNIT SPECIFICATIONS

Interfaces	48 x 1/10G ports + 6 x 40/100G ports Can be upgraded to 48 x 1/10/25G + 8 x 40/100G 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 6010: >582,692 hours



SmartNA-PortPlus™ NPB - 1RU



SmartNA-PortPlus™ NPB - 2RU



SmartNA-PortPlus™ NPB - 3RU

PART NUMBERS - SmartNA-PortPlus PRO™ Scalable Network Packet Broker Base Unit

6010-AC	SmartNA-PP-PRO™, 48 x 1/10G SFP+, 6 x 40/100G QSFP, Advanced Features, Drag-n-VU, Dual AC PSU
6010-DC	SmartNA-PP-PRO™, 48 x 1/10G SFP+, 6 x 40/100G QSFP, Advanced Features, Drag-n-VU, Dual DC PSU
PortPlus HW Upgrade	SFP+ ports upgraded to SFP28, additional 2 x QSFP ports

Protect, monitor and secure your network now and into the future with the SmartNA-PortPlus PRO™ Network Packet Broker. For more information about the SmartNA-PortPlus PRO™, please visit www.networkcritical.com

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

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