



Network Critical
The Window to your Network™

SmartNA-PortPlus HyperCore™

Scalable Network Packet Broker 1G/10G/25G/40G/50G/100G/200G/400G

DATA SHEET



The SmartNA-PortPlus HyperCore™ offers 32 QSFP-DD interfaces, all of which can directly support port speeds up to 400 Gbps access in a non-blocking single RU chassis. Breakout cables can be utilised to expand port count up to 256 ports of 10/25/40/50G, all from the same 1RU chassis. This packet broker offers 1-/25/40/50/100/200 and 400 Gbps visibility, enabling users to interconnect different network protection and monitoring tools quickly and easily.

Beyond server ready high speed connectivity for security and monitoring tools, the SmartNA-PortPlus HyperCore™ 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.

It 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,

Network Critical's 32 X 400G SmartNA PortPlus HyperCore™ Network Packet Broker bridges the gap between today's ultra high speed networks, and existing management, monitoring and security tools.

most flexible combination of port speeds and simplest management makes Network Critical's SmartNA-PortPlus HyperCore™ the best choice for 100% network visibility. Connect, add and change network protection and monitoring tools efficiently with this packet broker's uniquely flexible architecture.

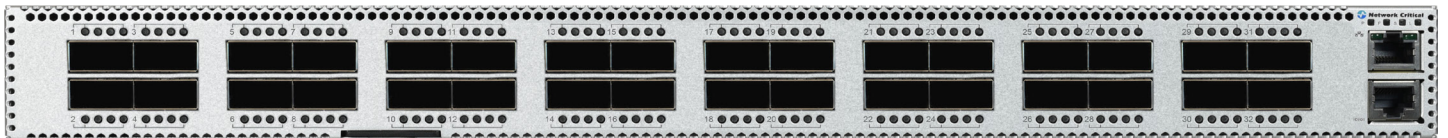
When in need for more ports, simply add another SmartNA-PortPlus™ device. The SmartNA-PortPlus HyperCore™ has additional ports that are connected to the base unit allowing traffic mapping, filtering and other features to function as a single unit. There is no need to replace or re-deploy the initial unit.

The port speeds and rich features included in

the base unit are all available as expansion units are added. New high speed tools can be added to 100/400 Gbps ports. Existing legacy tools can stay in service using lower speed 10/25 Gbps ports compatible with the processing capability of the tools.

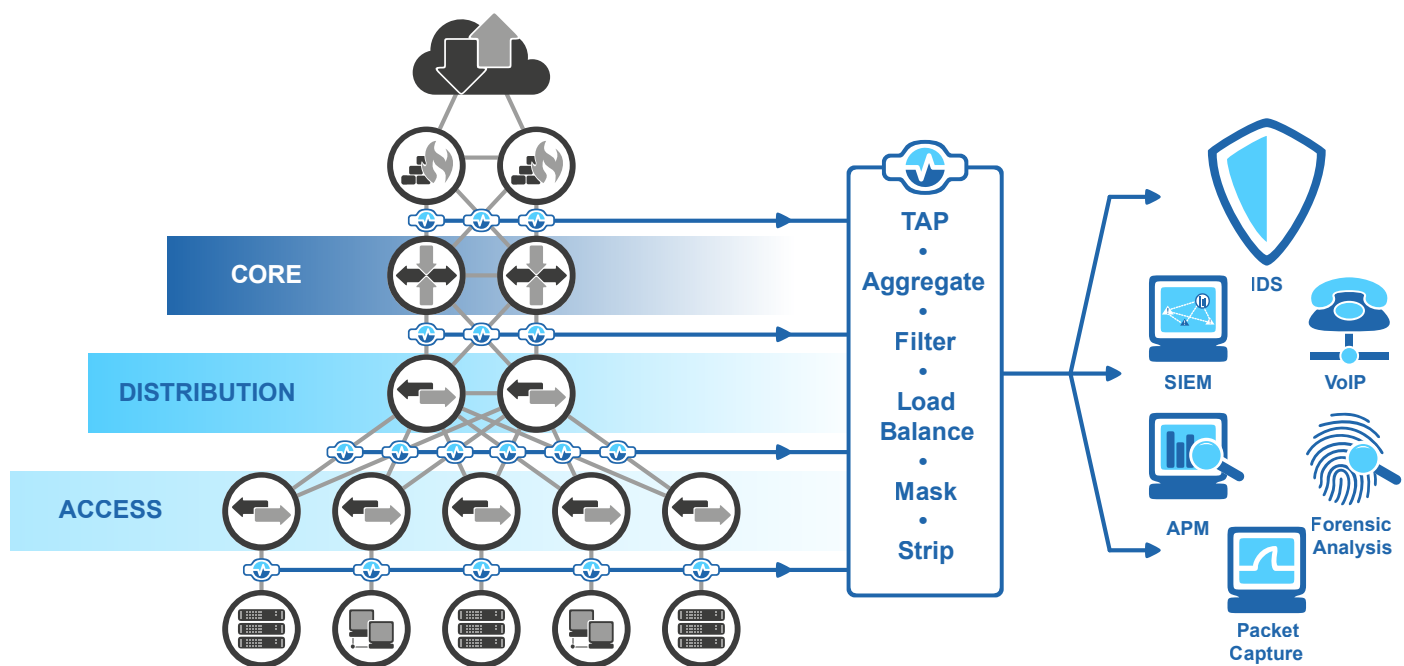
Port flexibility and load balancing allow continued deployment of legacy monitoring and security tools. Scalable architecture provides an economical, yet highly featured, entry point and an efficient growth path.

Protect, monitor and secure your network now and into the future with the SmartNA-PortPlus HyperCore™ Network Packet Broker. Your speed, your scale, your network.



KEY FEATURES	BENEFITS
High density, high performance scalable NPB: Next-generation network and server ready base unit 32 x 10/25/40/50/100/200/400G interfaces	Scalable up to 256 ports of 10/25/40/50G. Saves rack space with highest port density. 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 HyperCore™ system
Non-blocking architecture, Line Rate System Throughput 25.6 Tbps	Performance to accommodate all network speeds
Aggregate, Filter and Load Balance core network traffic across existing and future tool portfolio	Extends existing tool life and leverages new tool acquisition
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
Session Aware Load Balancing by IP address, protocol, port, VLAN, MAC address or other parameters	Leveraging inline tools, enabling maximum network performance
Custom P-Tag functionality enables complex traffic processing workflows	Pinpoint tool optimization

KEY FEATURES	BENEFITS
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
SNMPv3 integrates with all major NMSs	Enabling greater tool management



SMARTNA-PORTPLUS HYPERCORE™ BASE UNIT SPECIFICATIONS	
Interfaces	32 x 10/25/40/50/100/200/400Gbps QSFP-DD 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 585 x 44 mm Mounting: Surface or 19" rack mount (1U) Weight: 13.25 kg
Electrical	Power Consumption: 1225W 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	25.6 Tbps throughput (full line rate performance)
MTBF	SNA-PP 6060: >582,692 hours

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

6060 SmartNA-PortPlus HyperCore™ NPB (32) 10G/25G/40G/50G/100G/200G/400G Ports (QSFP-DD)

6050 SmartNA-PortPlus HyperCore™ NPB (32) 10G/25G/40G/50G/100G Ports (QSFP-DD)

Network Critical offer a variety of break-out cables at multiple port speeds for increased port counts. Please contact for more information.

For more information about the SmartNA-PortPlus HyperCore™, please visit www.networkcritical.com

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

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