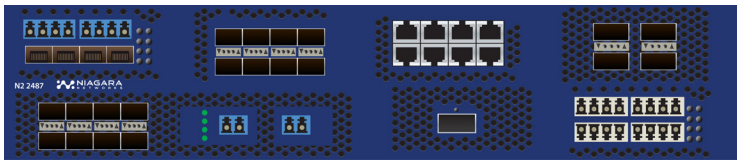
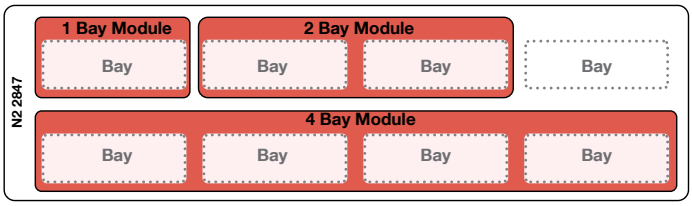
N2 2847

Modular Multi-Purpose Visibility Node

The Niagara N2 2847 is part of the N2 Series, Niagara's advanced, second-generation packet brokers, designed to meet the challenges of creating a robust visibility adaptation layer.



N2 2847 Front panel configured with (top row) two 1/10Gb bypass links, eight packet broker 1/10Gb ports, eight packet broker 1000BaseT ports, four 40Gb packet broker ports, (bottom row) 100Gb+8x10Gb bypass port, one 100Gb packet broker port, four link 1/10Gb passive tap



Each row in the 2847 chassis has four 1 width bays. User can dynamically hotswap different bay-width modules to mix and match module functionality and and module bay width size according to their needs. The double width bay module can dynamically fit into the space of any two adjacent 1 width bay locations as depicted above.

Industry-Leading High Throughput per Bay

which are directly connected to the non-blocking switching fabric for backplane connectivity to any other port on any module and to the Packetron processor modules ensures that any combination of modules and interfaces are supported at full line rate with no over subscription and with full switching line rate connectivity between any input to any output port.

Supported Protocols	
Ethernet IEEE 802.3	ARP IETF RFC 826
IEEE 802.3ab 1000BASE-T	IP IETF RFC 791, 2460
IEEE 802.3ae 10000BASE-X	UDP IETF RFC 768
IEEE 802.3z 1000BASE-X	ICMP RFC 792
IEEE 802.3-2012	TCP IETF RFC 793
IEEE 802.3 10BASE-T	FTP IETF RFC 959, 2228
IEEE 802.3u 100BASE-TX	TFTP RFC 783
IEEE 802.3ba	Telnet IETF RFC 854
VLAN IEEE 802.1Q, 802.1ad (QinQ)	SSH IETF RFC 4251, 4252, 4253
NTP IETF RFC 5905	HTTP IETF RFC 2616, 2817
TLS (SSL) IETF RFC 4492, 5246	SNMP IETF RFC 1157, 3411-3418
Syslog IETF RFC 5424	RADIUS IETF RFC 2865, 2866
TACACS+ IETF RFC 1492	

Product Highlights

Modular Design -

Single platform covering different network architectures and deployments, with modules that are hot swappable and can be changed in the field; supports bay width of 1 BW, 2 BW and 4 BW (and any combination), so you can mix and match modules to meet your needs.

High Density -

Connects to more services, involving a greater number of network connection points; mix and match interfaces to obtain the required density and types, ranging from 100Mb to 100Gb.

High Versatility -

Supports a wide variety of modules, including fail-safe bypass, I/O ports, taps, data processing and interfaces (1Gb, 10Gb, 40Gb, 100Gb) that can be customized to meet the needs of your network architecture.

Packetron Processor Acceleration -

Offloads processing for service devices and hosting solutions, and bridges the gap between increased network traffic throughput and traffic processing needs. This includes such applications as flow slicing, deduplication, and more.

Specifications

Height	3.41 in (86.61mm)	Raw Power	1033.10 Watts
Length	26.12 in (663.49mm)	BTU/hr	1959.252
Width	17.15 in (438.15mm)	Air Flow	Front to Back
Weight	64 lb (29.03 kg)	Altitude	15,000 ft
Operating Temp	32-104°F (0-40 °C)	AC	100-240V, 50-60Hz, 10-5A
Operating Humidity	5-85%	DC	48-60V, 19-15A
Max Current	7.55A @ $100V_{AC}$ 15.72A @ $48V_{DC}$	Max Power	754.69 Watts

Emissions	Immunity
FCC Part 15B, ICES 003, EN55032	EN55024

Safety	Certifications	
UL/CSA 60950-1, EN 60950-1, IEC 60950-1 CB Scheme with all country differences	North America (NRTL) European Union (EU) VCCI (Japan)	2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive 2011/65/EU RoHS Directive 2012/19/EU WEEE Directive

Part Number	Description	Ordering Details
N2-2847-S2-MN-xx	2847 main chassis. S2 version. Enhanced modularity. Supports up to 8 high performance bays. Includes two power supply units and three fan units. Designed for NEBS3.	xx - specify preferred power supply option AC – Dual AC redundant power supply DC – Dual DC redundant power supply
N2-2847-S2-MN-BP-xx	2847 main chassis. S2 version. Supports up to 8 high performance bays. Includes two power supply and three fan units. Only supports Bypass modules and functionality	xx - specify preferred power supply option AC – Dual AC redundant power supply DC – Dual DC redundant power supply
N2-UG-BP-LC	Upgrade license from Byass only mode to full functionality	
800W-PSU-AC	Field replaceable power supply unit AC - 800W	
750W-PSU-DC	Field replaceable power supply unit DC - 750W	
NN-FAN-2	Field replaceable fan unit for 2U products	

About Niagara Networks

Niagara Networks provides high performance network visibility solutions for seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime, and total cost of ownership.

A former division of Interface Masters, Niagara Networks provides all the building blocks for an advanced Visibility Adaptation Layer at all data rates up to 100Gb, including Taps, bypass elements, packet brokers and a unified management layer. Thanks to its integrated in-house capabilities and tailor-made development cycle, Niagara Networks are agile in responding to market trends and in meeting the customized needs of service providers, enterprise, data centers, and government agencies.

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