Purpose-Built for Edge and Industrial Deployments

Niagara Networks introduces the 4204 and 3290 compact packet broker models, extending advanced network visibility capabilities to smaller, distributed, and environmentally demanding industrial deployments.

These platforms are purpose-built to deliver efficient traffic aggregation, filtering, and distribution while maintaining the same intelligent visibility architecture found across Niagara Networks fixed packet broker solutions. Designed for edge locations, remote sites, and space-constrained environments, they enable consistent monitoring and security enforcement across the entire infrastructure.

The 4204 model addresses compact enterprise and edge use cases requiring flexible high-speed connectivity, while the 3290 model is optimized for industrial environments where reliability under harsh conditions is critical.

The 3290 industrial packet broker ensures dependable operation in environments such as power substations, mining sites, and remote facilities, where temperature, vibration, and environmental constraints demand hardened infrastructure.

These highly compact half-width rack unit platforms support advanced aggregation, replication, and multi-level filtering, enabling precise and reliable traffic distribution while reducing tool overload and eliminating blind spots. Their flexible traffic management capabilities simplify complex network architectures and improve overall visibility efficiency.

Integrated packet broker functions ensure seamless traffic flow for both performance monitoring and security inspection, enhancing the efficiency, accuracy, and responsiveness of SOC and NOC operations.

Product Highlights

Highly Optimized Network Packet Broker

- **4204**: 4 ports supporting 1G/10Gb
- **3290**: 4 ports supporting 1Gb copper - industrial deployments
- Compacth half-width rack unit - reduces power, space, and cooling requirements
- Maintains fixed feature consistency across all NPB product tiers

Switching Fabric - non-blocking, wire-speed

FabricFlow™ Technology exposes network packet broker features, enabling the users to map traffic in flexible modes. It maps traffic flow relationships between source and destination ports and supports:

- Aggregates traffic to a single port
- Replicates traffic to multiple ports
- Advanced filtering (L2–L4, User-Defined Byte – UDB)

Tunnel Handling

- GTP filtering
- GRE termination
- MPLS filtering and stripping
- VXLAN filtering and stripping

Traffic Optimizationg

- VLAN tag filtering, stripping, and rewriting
- Multiple flexible load-balancing modes
- Layer 2–Layer 4 hashing criteria
- Port-utilization-based load balancing
- Session stickiness
- Ingress/egress filtering with internal traffic loopback
- Filter templates for rapid deployment and reuse

Management

- Robust command line interface (CLI)
- User-friendly, web-based user interface
- REST API for third-party integration
- Support TACACS+, RADIUS, SNMP and NTP

Form Factor

- Space-efficient design for edge and industrial deployments
- The device is a half-width rack unit and can be mounted side-by-side with another unit in a 1U space

Common Use Cases

Distributed Visibility Aggregation

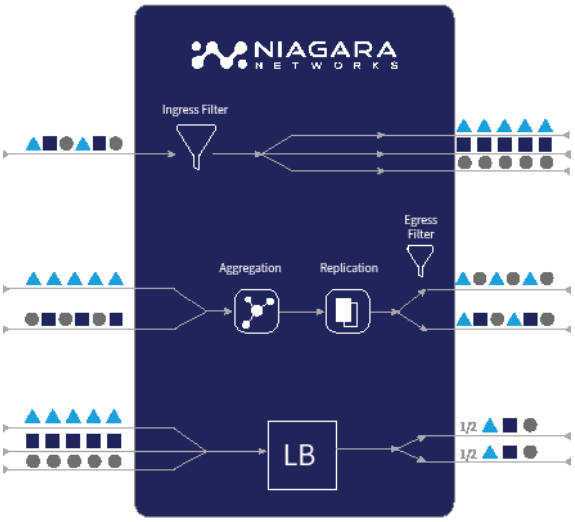
Aggregate traffic from remote/edge sites and forward optimized data streams to centralized monitoring tools.

Edge Security Enforcement

Provide filtered, relevant traffic to IDS/IPS and security analytics platforms without overwhelming limited tool capacity.

Industrial Network Monitoring

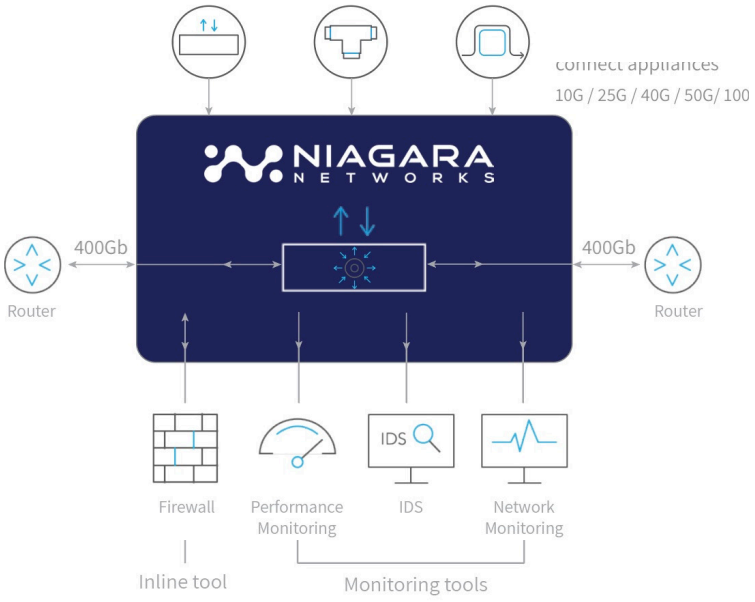
Enable continuous visibility into OT and ICS environments while maintaining operational resilience.



FabricFlow™ technology - efficient aggregation, replication, filtering and load balancing of data traffic.

FabricFlow is Niagara Networks' advanced traffic mapping and switching engine that enables intelligent, deterministic distribution of network traffic across monitoring and security tools. Built on a high-performance, non-blocking architecture, FabricFlow dynamically aggregates, filters, replicates, load-balances, and steers traffic flows based on granular policies and multi-layer criteria.
It ensures optimal tool utilization, eliminates blind spots, and maintains consistent traffic delivery even in high-throughput, mission-critical environments. By abstracting complex traffic engineering into a flexible, policy-driven fabric, FabricFlow simplifies network architectures while maximizing visibility, scalability, and operational efficiency for SOC and NOC deployments

Network Visibility at High-speed rates enables IT teams to optimize the flow of data across the network and the NOC/SOC tools. By identifying and prioritizing ultra-bandwidth rates of data to the right tool and with the right data feeds, over utilization can be avoided, and performance optimization and accurate security inspections can help avoid false positive alarms analysis.



Intelligent Visibility Aggregator

Operations teams often deploy the platform as a centralized visibility aggregator that consolidates traffic from multiple TAP and SPAN sources for network architects and security teams. It acts as a powerful force multiplier by efficiently collecting the required traffic, filtering it closer to the source, and distributing optimized data feeds to monitoring and security tools. This approach reduces bottlenecks, improves utilization of available bandwidth, and can deliver CAPEX savings of over 50% by reducing the number of visibility elements required across the infrastructure.

Specifications

Height	1.75 inches (44.45 mm)	Max Power	33.97 Watts
Length	21.5 inches (546.1 mm)		
Width	8.65 in (219.71mm)	AC	100-240V, 50-60 Hz., 2-1A
Operating Temp - 3290 model	−4 to 158°F (−20 to 70°C)	DC	36 to 72VDC 6A-3A
Operating Temp - 4204 model	32 to 104F (0 to 40 °C)	Current	0.34A @ 100VAC 0.94A @ 36VDC

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

Safety	Certifications	
UL/CSA 62368-1, EN 62368-1, IEC 62368-1 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
4204-AC	4204 main chassis (AC), packet broker with four fixed 1/10Gb aggregation/uplink ports. Transceivers are sold and ordered separately.
4204-DC	4204 main chassis (DC), packet broker with four fixed 1/10Gb aggregation/uplink ports. Transceivers are sold and ordered separately.
3290-AC	3290 main chassis (AC), industrial packet broker with 4 fixed 1Gb copper aggregation/uplink ports.
3290-DC	3290 main chassis (DC), industrial packet broker with 4 fixed 1Gb copper aggregation/uplink ports.

About Niagara Networks

Niagara Networks is a Silicon Valley-based company delivering high-performance, reliable network visibility and traffic delivery solutions for mission-critical environments. Our solutions empower Security and Network Operations Centers (SOC/NOC) with complete visibility and actionable intelligence across physical, virtual, and cloud networks. As a former division of Interface Masters, we provide all the building blocks for an advanced Visibility Layer, including packet brokers, bypass switches, network TAPs, and unified management software, offering a single pane of glass for simplified visibility infrastructure. For more information please visit us at www.niagaranetworks.com

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