Interface Masters
T E C H N O L O G I E S
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Innovative Network Solutions

Niagara 3218
Quad Segment 10 Gigabit Link Aggregation TAP
Plug & Play

Overview

Niagara 3218 is a Quad Segment 10 Gigabit Link aggregation TAP system capable of fully monitoring a network segment at 10 Gigabit speeds. 8 extra Link Aggregation TAP Ports are available as well for flexible port monitoring. The Niagara 3218 can support multiple TAP methodologies and configurations as well as Multi-Mode fiber and Single-Mode fiber media. The system architecture is designed for flexibility, enabling Niagara 3218 to operate in various modes including aggregation, packet injection, and multiple port monitoring. Additionally, the system supports a full suite of secure management including industry-standard management and logging tools.

Niagara 3218 supports flexible TAP and Link Aggregation options that provide Network managers, IT managers and operators high visibility into network performance and network traffic content. The unique TAP features include two main TAP options, Split TAP Mode and Aggregation TAP Mode. In addition, each TAP option can be configured to allow packet injection from the monitoring appliances. The system is designed to be upgraded to support traffic filtering in layer 2, layer 3 and layer 4.

The Niagara 3218 is managed by a 64-bit MIPS controller which supports a wide variety of control and management capabilities. The system provides flexible and intuitive CLI and GUI management features including secure web UI via an HTTPS connection, secure shell (SSH), SNMP, e-mail notification for special events, local or remote upgrade features, and failover method configuration. An authentication client capable of interfacing with authentication servers such as TACACS+ is integrated into the system. In addition, the TAP system possesses Syslog support, enabling consolidation of log data from various systems into a central repository.

Essential Features

Niagara 3218 provides major features that are essential in today's data centers:

- Split TAP and Link aggregation TAP support
- Packet Injection capabilities
- Quad Segment support
- Option for 8 Additional Link Aggregation TAP Ports
- Many-to-one TAP support
- One-to-Many TAP support
- High availability failover capabilities
- 10 Gigabit Multi Mode (SR) and Single mode (LR) support
- Internal Redundant power supplies for maximum reliability
- Dedicated Management Port and Console Port
- Extensive CLI and WEB based management
- SSH and HTTPS for secure Management
- TACACS+ authentication
- Syslog support
- NTP and Time Zone

Highly Reliable

Niagara 3218 utilizes two redundant internal power supplies for maximum reliability.

Niagara 3218 deploys high availability failover capabilities for failsafe operations.

Management Software

Niagara 3218 management supports:

- Web based management via a secure https:// Connection
- Extensive CLI interface
- SSH connectivity over the management port
- SNMP traps on defined events
- E-mail notification on defined events
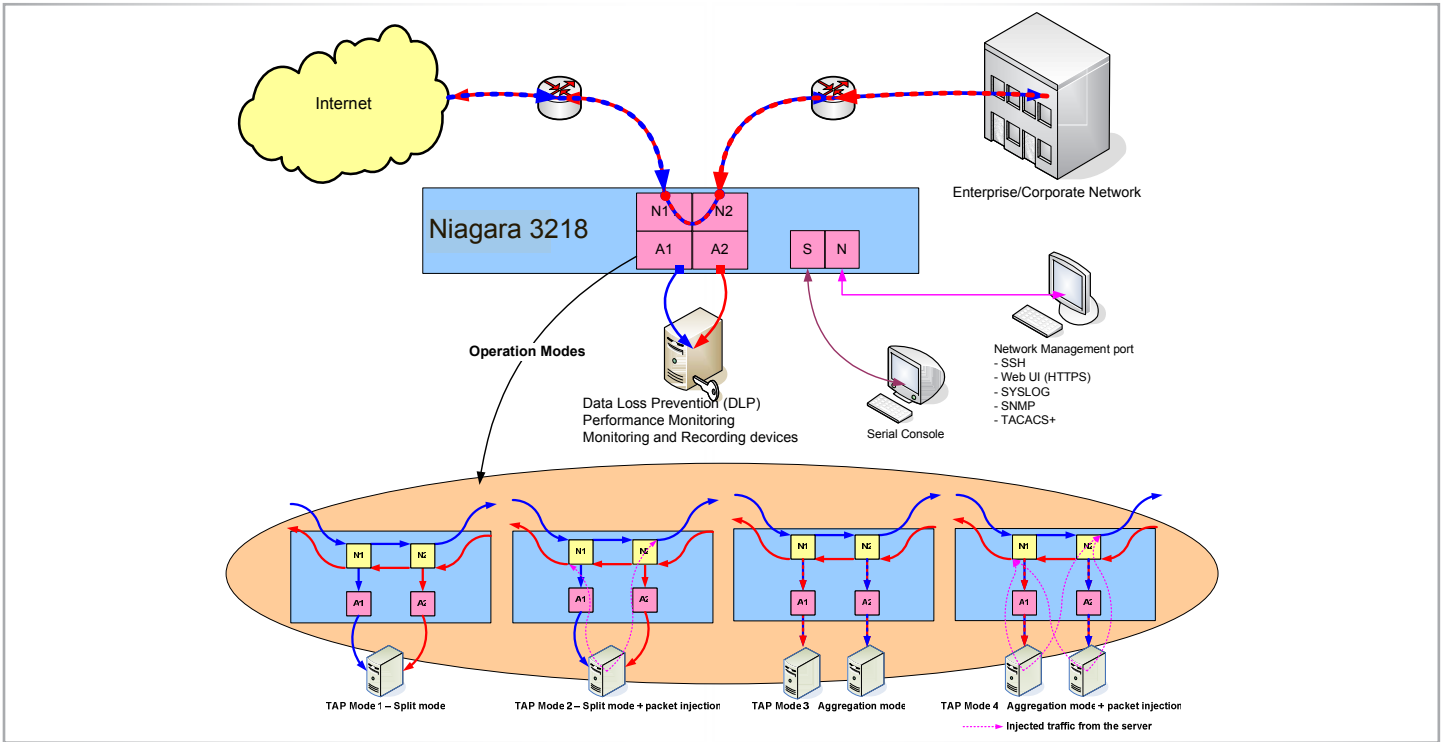- TACACS+ authentication
- Syslog support
- NTP and Time Zone

These capabilities provide a simple, secure and easy way to maintain, monitor and manage the appliance and the network.

Additional Specifications

Certifications include:

- FCC Class A
- CE
- UL (Safety)
- ROHS 6 compliance

Applications

Operation Modes

Niagara 3218 — N1 N2 / A1 A2 / S N

Enterprise/Corporate Network

Internet

Data Loss Prevention (DLP)
Performance Monitoring
Monitoring and Recording devices

Serial Console

Network Management port
- SSH
- Web UI (HTTPS)
- SYSLOG
- SNMP
- TACACS+

TAP Mode 1 – Split mode

TAP Mode 2 – Split mode + packet injection

TAP Mode 3   Aggregation mode

TAP Mode 4   Aggregation mode + packet injection

Injected traffic from the server

Table 1 - Environmental

Operating Temperature	0 to 55 ºC or 32 to 131 ºF
Operating Humidity	5 to 95%
Maximum power consumption	Less than 150 W
Airflow	100 lf/m

Table 2 - Dimensions

	mm	inches
Length	425.45	16.75
Height	44.45	1.75
Width	527.05	20.75

Product Line

- Network Interface Cards with Bypass
- Network Interface Cards without Bypass
- External Bypass Products
- SSL/IPSec Cards
- Embedded Switches
- Embedded Platforms
- Development Tools

About Us

Interface Masters Technologies is a leading vendor in the Bypass Networking market, based in the heart of the Silicon Valley. Interface Master's expertise lies in Gigabit and 10 Gigabit networking solutions that integrate with monitoring, inline networking, security, central office and other mission-critical IT appliances. Flagship product lines include specialized internal server adapter cards, embedded switch cards, and external intelligent Network Bypass and failover systems that increase network reliability and inline appliance availability.

Offering over 70 products based on Fast Ethernet, Gigabit Ethernet, and 10 Gigabit Ethernet, Interface Master's adds value to the mission-critical IT sector requiring Security, UTM, Storage Area Networks (SAN), Intrusion Detection & Prevention, QoS, Packet Classification and WAN Acceleration appliances. Company Headquarters are located in San Jose, California with satellite offices in Hong Kong, Germany and the UK.

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