DURAstream™ 2408

Dual 10G Bypass Switch with Media Conversion and High Availability

Ensure 100% Network Uptime when Deploying In-Line Monitoring Solutions and Intrusion Protection Systems

Automatic Failover = Constant Link State
Deploying in-line monitoring devices such as intrusion prevention systems (IPS) or bridge devices like VPN gateways and firewalls used to mean a potential point of failure on the network.

When one of these devices malfunctions or becomes overwhelmed with traffic, network outages can occur. This presents serious challenges on mission critical links.

The DS-2408 ensures your network's most important data does not fail even when in-line devices do. Deploying a DS-2408 ensures uptime of critical links regardless of in-line device performance by diverting critical network traffic away from malfunctioning in-line devices until such devices are operating normally.

This not only alleviates potential issues with traffic congestion affecting link behavior caused by an IPS, it allows maintenance and upgrades of attached in-line tools without network downtime. The DS-2408 is an easy-to-manage external active bypass providing failover for data monitoring of critical 1 and 10 Gigabit network segments.

Line rate throughput and real-time data forwarding hardware protects data and allows critical voice and data applications to perform uninterrupted and meet high demands for quality and security.

Heartbeat Mode
The DS-2408 10G Bypass Switch can monitor the health of in-line appliances by sending and receiving a heartbeat packet. A user programmable heartbeat packet can be injected into the monitoring port link to determine availability of attached monitoring devices or help determine delay due to high traffic volume.

Passive Mode
In the event of power loss, the switch closes to create a physical connection, which in turn, creates a passive bypass path to help prevent traffic interruption.

High Availability Mode
In High Availability mode, a primary and secondary appliance is installed on a DS-2408. The DS-2408 will swap between the primary and secondary appliance in the event of a loss of heartbeats or link. This allows the services provided by the appliance to be maintained even in the event of an appliance failure.

Robust Management, Security, and Logging
Manage your switch using built-in, easy to use CLI. Supports secure shell (SSH), E-mail notifications, as well as Syslog to enable consolidation of log data from multiple systems into a central repository.

Highlights

• Optimized reliability of critical network links

• Fail-safe monitoring with in-line tools such as IPS and DPI

• Improved uptime and security

• Increased application availability

• Upgrade and maintain in-line tools without network interruptions

Features

• Passive bypass maintains network integrity during power loss

• Active switching if in-line tool fails-prevents network interruptions

• User configurable Heartbeat Mode monitors link status and health of in-line appliances

• Flexible deployment options including copper, single mode, multimode, and media conversion

• Redundant power supplies with power fail protection ensure monitoring uptime

• Management remotely or locally with extensive CLI -supports SSH

• E-mail event notifications on user-defined events

• NTP Support

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Heartbeat Packets are sent to monitor the status of the appliances.
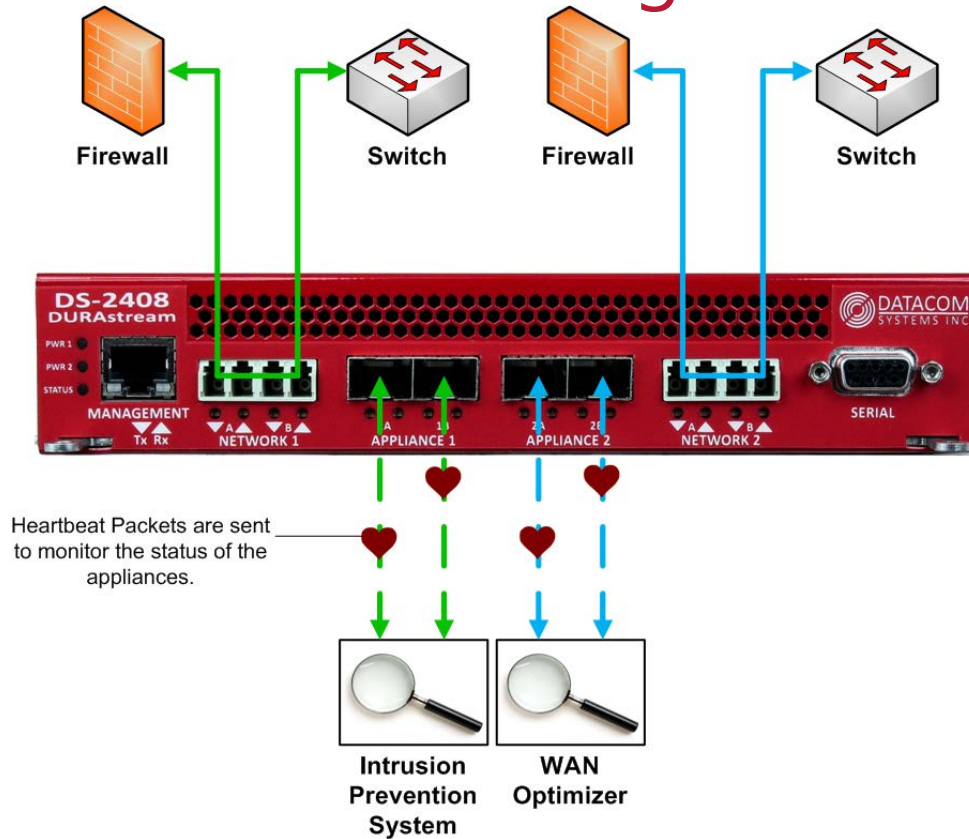
Technical Specifications

PORTS
Network Ports: Four (4) 10/1G Fiber
Appliance Ports: Four (4) SFP+
(Supports SFP+ SR, LR, LRM, SFP SX, LX, BT)
Management Port: RJ45
Console Port: DB9

POWER REQUIREMENTS
Dual Redundant Hot Swappable Power Supplies (Included)
Maximum Power Consumption: Less than 90 Watts
Individual Power Supply Rating: 100-240V ~50-60Hz 7A MAX.

CERTIFICATIONS
CE, RoHS

DIMENSIONS (HXWXD)
1.5 x 8.3 x 12.5 in (3.81 x 21.08 x 31.75 cm)

WEIGHT
3.75 lbs (1.7 kgs)

ENVIRONMENTAL
Operating Temperature: 32º to 104ºF (0º to 40ºC)
Storage Temperature: -22º to 149ºF (-30º to 65ºC)
Humidity: 5 to 90% non-condensing

WARRANTY
One (1) Year Hardware and Software support included
Premium Support option available

ORDER INFORMATION

Product	Description
DS-2408-5-5	Double Segment Bypass Switch w/ 2 inline Appliance Pairs. Installed on 50 micron 10G/1G fiber links.*
DS-2408-6-6	Double Segment Bypass Switch w/ 2 inline Appliance Pairs. Installed on 62.5 micron 10G/1G fiber links.*
DS-2408-9-9	Double Segment Bypass Switch w/ 2 inline Appliance Pairs. Installed on 9 micron 10G/1G fiber links.*

*Models with mixed micron fiber also available.

Optional Equipment	Description
SFP+-SR/SX	10G/1G Multimode Fiber Transceiver
SFP+-LR/LX	10G/1G Singlemode Fiber Transceiver
SFP-SX	1G Multimode Fiber Transceiver
SFP-LX	1G Singlemode Fiber Transceiver
SFP-RJ45	1G Copper Transceiver
RMC-2C	Rack mount for DS-1404, DS-1406, DS-2408. Fits two units in a 1U chassis.

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Find out more. Visit www.datacomsystems.com