# DURAstream™ 1404

## 10G/1G Fiber Bypass Switch wih Media Conversion.

### 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 network critical links.

The DS-1404 ensures your network's most important data does not fail even when in-line devices do. Deploying a DS-1404 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-1404 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-1404 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 direct physical connection, creating a passive bypass path to help prevent traffic interruption.

#### Robust Management, Security, and Logging

Manage your switch using built-in, easy to use CLI. Supports Remote Management , E-mail notifications, as well as event logging to monitor changes to the DS-1404 and the connected devices.

## Highlights

- Optimized reliability of critical network links

- Achieve fail-safe monitoring with in-line monitoring tools such as IPS and DPI

- Improved network uptime and security

- Increased application availability

- Upgrade, maintain, or replace in-line devices without interrupting network operations
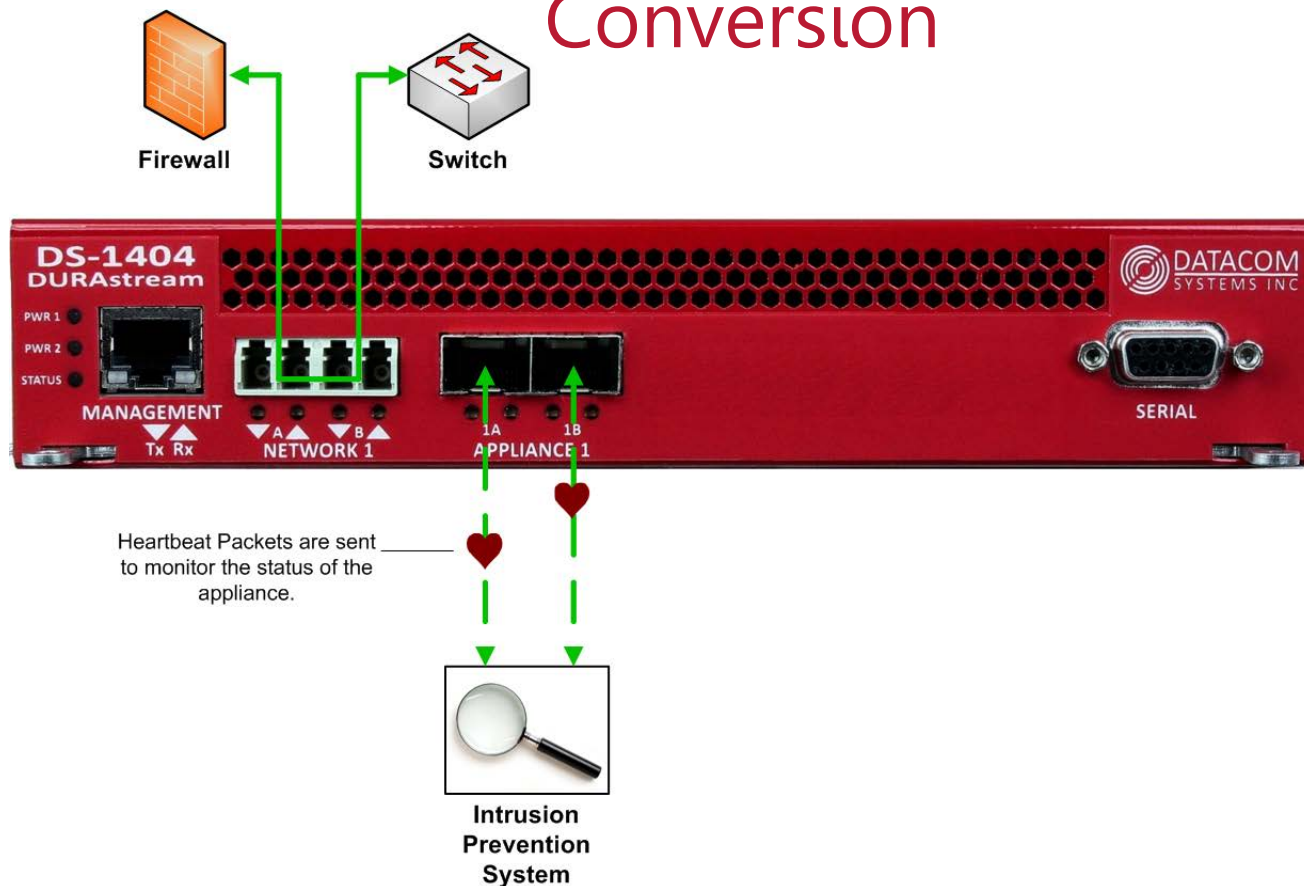
## Features

- 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

**DATACOM SYSTEMS INC**

# DURA*stream*™ 1404

## 10G Bypass Switch with Media Conversion



Firewall

Switch

DS-1404
DURAstream

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PWR 1
PWR 2
STATUS

MANAGEMENT
Tx  Rx

▼ A ▲▲  ▼ B ▲
NETWORK 1

1A        1B
APPLIANCE 1

SERIAL

Heartbeat Packets are sent to monitor the status of the appliance.

Intrusion Prevention System

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## Technical Specifications

### PORTS

**Network Ports:** Two (2) 10/1G Fiber
**Appliance Ports:** Two (2) 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 Warranty included.  Advanced Replacement-Next Day, third business day options available.

### ORDER INFORMATION

| Product | Description |
| --- | --- |
| **DS-1404-5** | Single Segment Bypass Switch w/ single inline Appliance Pair. Installed on a 50 micron 10G/1G fiber link. |
| **DS-1404-6** | Single Segment Bypass Switch w/ single inline Appliance Pair Installed on a 62.5 micron 10G/1G fiber link. |
| **DS-1404-9** | Single Segment Bypass Switch w/ single inline Appliance Pair.  Installed on a 9 micron 10G/1G fiber link. |

| 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. |

**Find out more. Visit www.datacomsystems.com**

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