



# SINGLEstream™ TS Series

## 1G/10G Fiber Aggregation Taps with Media Conversion

### 10G/1G Fiber Link Tapping

Datacom's TS series aggregation taps may be used in 10G or 1G fiber links, and with 10G fiber or 1G fiber/copper monitoring tools. A copy of traffic from the network links is passively copied for monitoring. In the rare event of power loss, traffic is completely unaffected on connected network devices. Three single link models are offered: TS-1404 with two monitor ports, TS-1406 with four monitor ports, and the TS-1408 with six monitor ports.\* All monitor ports are SFP+, and may be used to attach additional monitoring tools, but can also serve as extra input ports, accepting data from SPAN ports or other Taps.

\*Dual link model TS-2408 also available - ideal for load balanced or active-passive link pairs - details provided on separate data sheet.

### Passive Tapping

Invisible to the network, completely passive and fault-tolerant, fiber taps will not affect network performance or integrity. There is a moderate amount of insertion loss; no statistically significant latency is added to the link.

### Aggregation (Many-to-Any)

Many-to-Any monitoring access aggregates network traffic and provides visibility for one or more monitoring tools. Aggregate and reassemble full duplex conversations from one or more trunked links. This is ideal for tools that don't support multiple monitoring interfaces or for redundant networks, EtherChannel, load balanced servers, and asymmetrically routed traffic.\* (\*see model TS-2408 data sheet for these multi-link applications)

### Regeneration (Any-to-Many)

Any-to-Many configurations replicate copies of identical network traffic to provide multiple tools with monitoring access to the same links. In addition to eliminating contention for scarce SPAN ports and test access points, multiple tools can be connected to the same link for redundancy, testing, or advanced monitoring applications.

### Port Steering (Any-Any)

Monitoring ports can be configured as input (or output) ports on the fly through an easy to use command line interface (CLI). The designation of these ports may be changed as needs change.

### Robust Management, Security, and Logging

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

### Highlights

- Consolidate tools to reduce management expense and tool cost
- Single point of deployment and remote management reduces MTTR
- Monitor 10G links with 1G tools for increased ROI and more efficient use of monitoring resources
- Easily share scarce SPAN ports and test access points without maintenance windows
- Allows immediate tool deployment without impacting the production network, thus simplifying the change control process

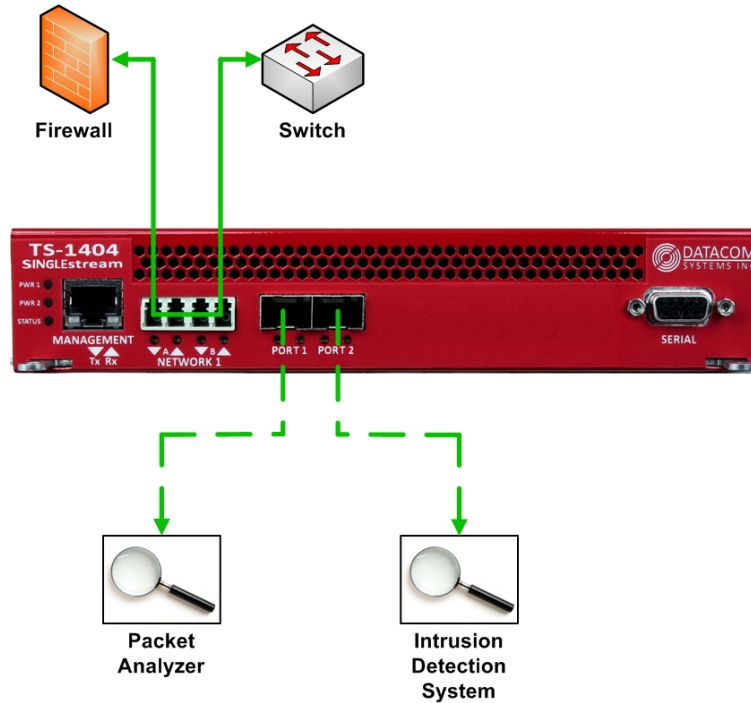
### Features

- No risk of data traffic loss during power loss.
- 160 Gbps backplane
- All ports active - no per port licensing
- Combine data sources into one stream and send copies to multiple connected tools to share data sources
- Flexible deployment options -copper, single mode, multi-mode, and media conversion
- Dual redundant power supplies ensure monitoring uptime
- Manage device remotely or locally with an extensive CLI - supports SSH
- E-mail event notifications on user-defined events
- NTP Support



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### Technical Specifications

#### Ports

**Any-to-Any / Monitor Ports** (Supports SFP+ SR, LR, LRM, SFP SX, LX, BT)

TS-1404 - two (2)

TS-1406 - four (4)

TS-1408 - six (6)

**Tap Ports:** One (1) fiber tap assembly consisting of two (2) LC ports

**Management Port:** RJ45

**Console Port:** DB9

#### Power Requirements

Dual Redundant Hot Swappable Power Supplies (Included)

**Maximum Power Consumption:** Less than 60 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: 32° to 104°F (0° to 40°C)

Storage Temperature: -22° to 149°F (-30° to 65°C)

Humidity: 5 to 90% non-condensing

#### Warranty

One Year Hardware and Software support included.

Premium Support option available

#### Insertion Loss

- Multimode (50/62.5 micron diameter) 50/50 = 4.2 dB
- Multimode (50/62.5 micron diameter) 70/30 = 3.0 / 6.7 dB
- Singlemode (9 micron diameter) 50/50 = 3.9 dB Singlemode
- (9 micron diameter) 70/30 = 2.2 / 6.3 dB

\*typical per fiber

#### ORDER INFORMATION

##### Product

TS-1404

TS-1406

TS-1408

##### Description

1G/10G Aggregation Fiber Network Tap. Supports 1 tapped link, 2 any-to-any / monitor ports.

1G/10G Aggregation Fiber Network Tap. Supports 1 tapped link, 4 any-to-any / monitor ports

1G/10G Aggregation Fiber Network Tap. Supports 1 tapped link, 6 any-to-any / monitor ports

SFP+ - SR/SX

SFP+ - LR/LX

SFP - SX

SFP - LX

SFP - RJ45

RMC- 2C

10G/1G Multimode Fiber Transceiver 10G/1G Singlemode Fiber Transceiver 1G Multimode Fiber Transceiver

1G Singlemode Fiber Transceiver

1G Copper Transceiver

Rack mount for TS-1404, 1406, 1408, and 2408. Fits two units in a 1U chassis.

Find out more at  
[www.datacomsystems.com](http://www.datacomsystems.com)

