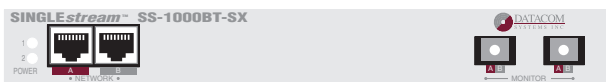
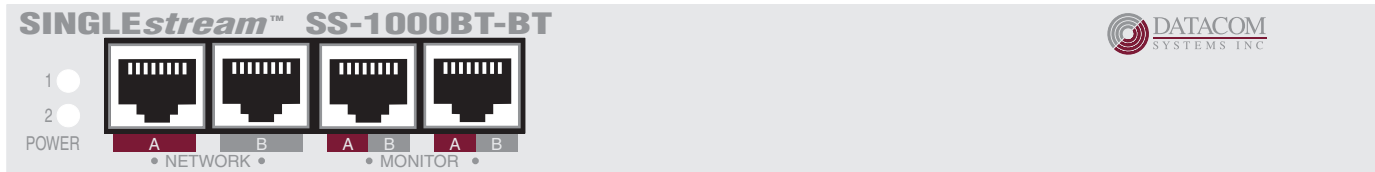


SS-1000BT-BT



SS-1000BT-SX



SS-1000SX-BT

## Product Overview

Datacom Systems' SINGLEstream™ Gigabit Aggregation Tap provides a superior solution for 24x7 monitoring of Gigabit Ethernet links.

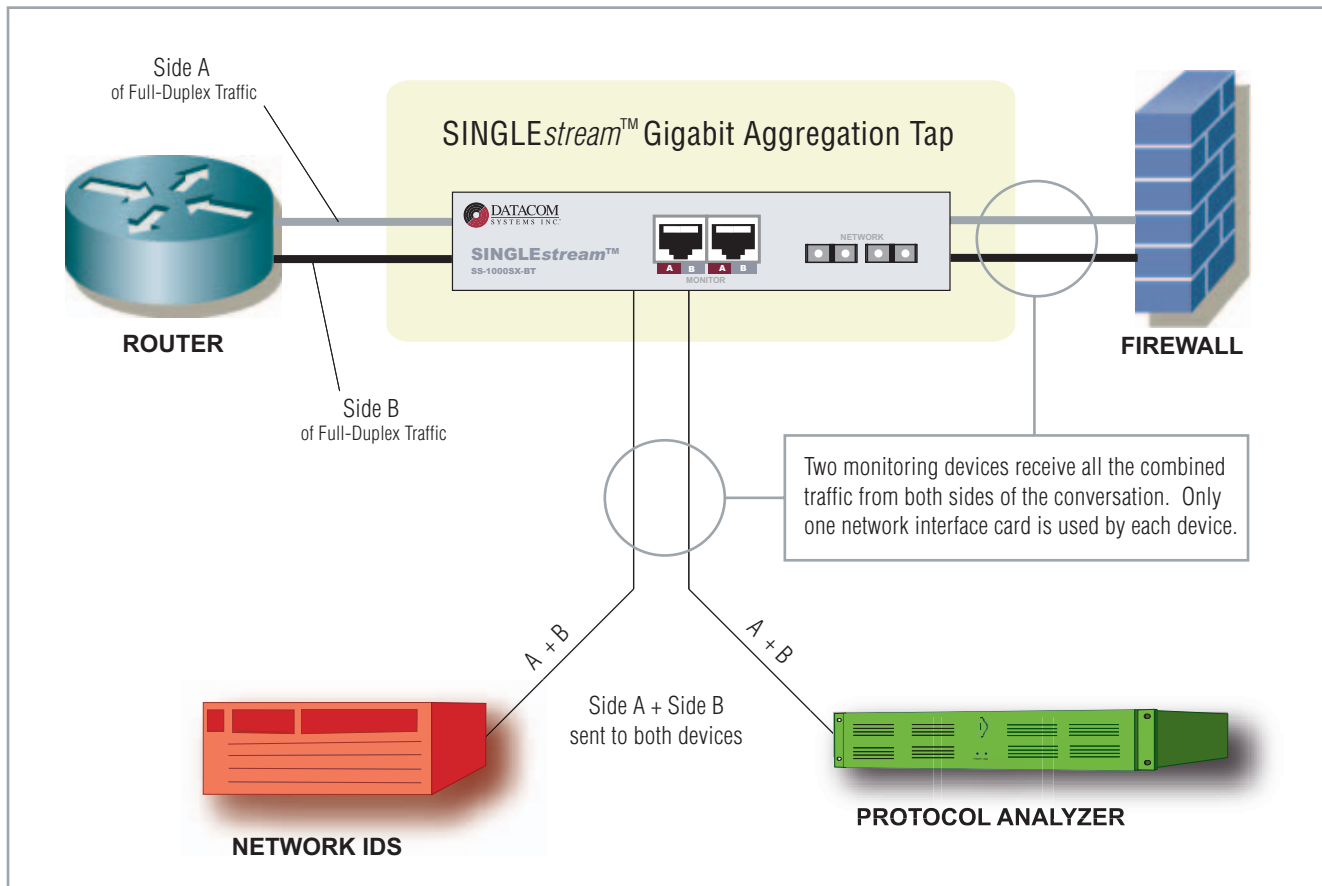
While traditional Gigabit Ethernet taps might enable full-duplex monitoring of all traffic on a network link, they transmit the data to the monitoring device (e.g. analyzer, IDS, probe) in two separate half-duplex streams. Not only does this require the monitoring device to have two network interface cards (NIC), it also requires that the device be capable of combining and processing both streams of data in order to monitor both sides of the conversation. Not all monitoring devices have that capability.

The SINGLEstream™ faultlessly combines the two data streams, allowing any connected Gigabit Ethernet monitoring device to receive a full-duplex stream of data with one NIC.

Additionally, the SINGLEstream™ provides a unique feature to help manage network resources - a second monitor port. With an extra monitor port, two devices (such as an analyzer and an intrusion detection device) can receive the same full-duplex transmission, so there will never be contention for access to the network link.

Although ideal for placement in networks where utilization is consistently under 50% on each side, the SINGLEstream™ can help prevent data overload and dropped packets due to traffic "bursts" - sudden, temporary increases in bandwidth utilization. A built-in memory buffer (1 MB) can manage overflows in data transmission and can allow seamless continuity of full-duplex monitoring.

Just like all of Datacom Systems' Gigabit tap products, the SINGLEstream™ is completely non-intrusive. The SINGLEstream's redundant power supply and fault-tolerant design has been thoroughly tested. Even if power is lost to the tap, network traffic will continue to flow.



## Features & Benefits

- Connect any Gigabit Ethernet device (protocol analyzers, probes, intrusion detection system, more) for permanent In-Line monitoring of full-duplex links - eliminates the need for network connectors to be disconnected and connected each time a segment needs to be monitored
- Two monitor ports allow two devices to simultaneously monitor the same link, providing extended security and analysis options, while eliminating contention for network access
- Redundant power supply insures seamless monitoring even if the main power source is unavailable
- Fault-tolerant design maintains network integrity even if power is lost to the tap
- Simple plug-and-play solution - requires no additional configuration of external monitoring devices
- Easy to install (1U space saving design) - optional rack mount available to hold 2 units (1U)

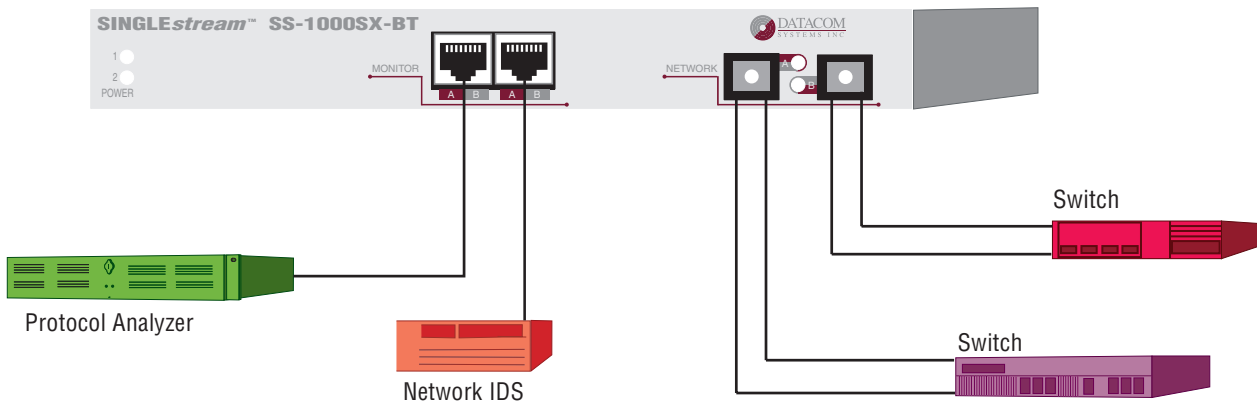
## Advantages over SPAN

SPAN ports often lose excess data due to limited buffering support - The SINGLEstream™ contains a 1 MB memory buffer to help enable continued monitoring without losing data, even when 100% utilization is exceeded on the monitoring device's single NIC.

## Support & Warranty

- Free Technical Support throughout the lifetime of the product via phone, web, e-mail, and fax.
- 2-year limited manufacturers warranty on hardware
- Datacom Customer Service personnel are available Monday through Friday from 8:30 AM to 5:30 PM EST. Support is available via phone, fax, e-mail, or website.

## SINGLEstream™ Gigabit Aggregation Tap Application



## Technical Specifications & Ordering Information

### Topology

Gigabit Ethernet

### Link Speeds Supported

1000 mbs

### Cable Type

Copper: CAT 5E

Fiber: 50 or 62.5 micron (SX); 9 micron (LX)

### Connectors

Copper: RJ45

Fiber: LC

### Power Requirements

(2) External power supplies 5 VDC, 1 A

### Physical Dimensions (H x W x D)

1.10 in x 8.00 in x 7.00 in

### Weight

2 pounds

### Distance Limit

Copper: 100 meter maximum length between network end-points.  
Tap typically 1 meter.

Fiber: Varies by cable type

### Environmental

Operating Temperature: 0 ° to 40 ° C

Storage Temperature: -30 ° to 65 ° C

Humidity: Less than 95 ° C non-condensing

### Ordering Information

SS-1000BT-BT	SINGLEstream™ Gigabit Aggregation Tap (copper in/copper out, 10/100/1000)
SS-1000BT-SX	SINGLEstream™ Gigabit Aggregation Tap (copper in/fiber out, 10/100/1000 network)
SS-1000SX-BT	SINGLEstream™ Gigabit Aggregation Tap (fiber in/copper out, 1000MB)
SS-1000LX-BT	SINGLEstream™ Gigabit Aggregation Tap (fiber in/copper out, 1000MB)
SS-1001BT-BT	SINGLEstream™ Gigabit Aggregation Tap (copper in/copper out, 1000 MB)
SS-1001BT-SX	SINGLEstream™ Gigabit Aggregation Tap (copper in/fiber out, 1000MB)
SS-1002BT-BT	SINGLEstream™ Gigabit Aggregation Tap (copper in/copper out, 10/100/100, TCP Resets)
SS-1002BT-SX	SINGLEstream™ Gigabit Aggregation Tap (copper in/fiber out, 10/100/1000 net, TCP Rst.)
SS-1003BT-BT	SINGLEstream™ Gigabit Aggregation Tap (copper in/copper out, 1000MB, TCP Resets)
SS-1003BT-SX	SINGLEstream™ Gigabit Aggregation Tap (copper in/fiber out, 1000MB, TCP Resets)
RMC-2	2-Tap (1U) Rack Mount Chassis

Contact your Datacom Systems Representative or Reseller for more information.