DATACOM SYSTEMS INC.™

You Can't Monitor What You Can't See

SINGLE*stream*™ Link Aggregation Tap (BT)

with 8 Monitoring Ports (6-BT and 2-SFP)

SS-1210BT-BT/SFP

Full-Duplex Visibility for Single Interface Monitoring Solutions

SINGLE *stream*™

Full Duplex Aggregation

While traditional taps might enable full-duplex monitoring of all traffic on a network link, they transmit the data to the connected monitoring device in two separate half-duplex streams (one for Tx and one for Rx). Not only does this require the monitoring device to have two network interface cards, 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 systems, including the most popular software solutions, have the required hardware to aggregate traffic.

The SINGLE*stream*™ Link Aggregation Tap combines both directions of a full duplex data stream and allows any connected monitoring device, including those with only one NIC, to receive a copy of all the data - even in a single trace file.

Dual Stream Mode

For dual-receive capable tools and times when there is no substitute for full line rate data capture (e.g. network attacks), the SINGLE*stream*™ can be configured to work exactly like a traditional full duplex tap, providing a copy of full-rate Gigabit data to connected tools in two separate streams (Tx and Rx).

LINK*protect*™

Many traditional taps prevent the operation of redundant routing and failover systems because they keep both sides of the network invisible to the other. The built-in LINK*protect*™ feature eliminates this point of network failure by continuously monitoring both sides of the tapped network for link status. If one side of the link fails for any reason, LINK*protect*™ will close the other side of the link immediately, so routers and switches can engage redundant protocols and failover systems.

LINK*protect*™ will also keep monitoring both sides of the link until they become available again, where it can then automatically re-establish the primary link. Timers (polling and recovery) and link re-establishment settings (manual or auto) are all user-configurable on both sides of the link and provide a level of convenience and flexibility not previously available in copper Gigabit taps.

Regeneration

One-to-Many configurations replicate copies of identical network traffic to provide multiple tools monitoring access to the same links. In addition to eliminating contention for access to critical links, multiple tools can be connected to the same link for redundancy, testing, or advanced monitoring applications.

Any-to-Any

Any of the SS-1210BT-BT/SFP's eight (8) any-to-any ports can be configured as input (network) or output (monitoring) ports on the fly through easy to use command line interface (CLI). Any monitoring port can receive traffic from any of the other ports, eliminating the need for network managers to change complex network configurations or move tools around their network. Additionally, the any-to-any ports can be configured to receive data from a switch's SPAN port providing the flexibility of a combined in-line and out-of-band monitoring solution.

Benefits

- View entire full-duplex conversations using single-interface monitoring tools
- Decreased reliance on switch resources for network management visibility - eliminate SPAN port contention, oversubscription, and configuration errors
- After installation, deploy tools right away without impacting your production network
- Easily share test access points without maintenance windows or approval
- Single point of deployment and remote management minimizes management expenses and reduces MTTR
- Keep your monitoring tool plugged in while troubleshooting the same link

Features

- Aggregation - Combine multiple network links or channels into one stream for visibility into complete network conversations
- Any-to-Any - port steer traffic to different tools or turn monitoring ports into additional network ports to receive input from SPAN
- Regeneration - Send copies of traffic from the tap to multiple connected tools to share data sources
- LINK*protect*™ - ensure automatic failover and recovery of redundant paths and routing protocols
- Port Speeds from 10 to 1000MB, full duplex, half duplex, or auto-negotiate
- SFP Flexibility - monitor copper links with fiber tools
- Flexible traffic flow to monitoring tools - single-direction or bidirectional for traffic injection
- Dual Redundant Power ensures monitoring uptime

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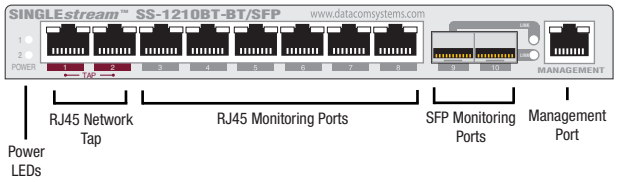
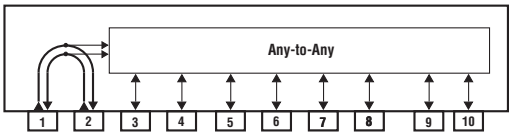
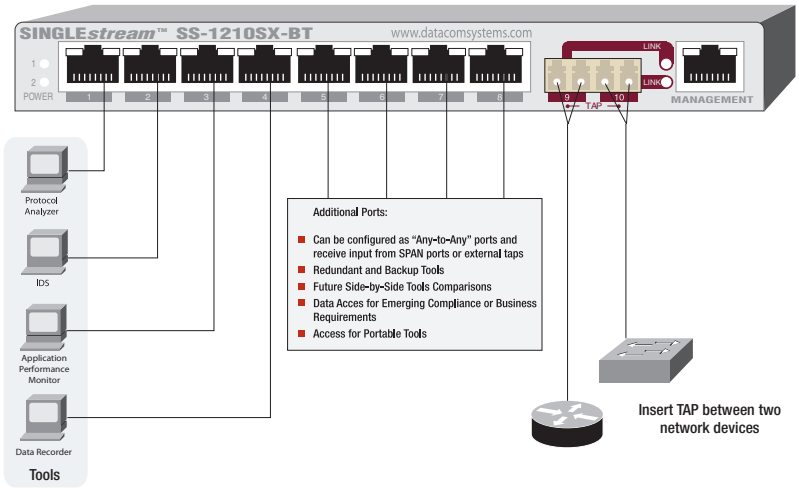




SS-1210SX-BT Shown



Technical Specifications - SS-1210BT-BT/SFP

PORTS

Network: One (1) 10/100/1000 Network Tap (RJ45)
Monitoring: Six (6) 10/100/1000 and Two (2) SFP Any-to-Any Ports
Management: RJ45 @ 100Mbs Full-Duplex
Serial: DB9F

POWER REQUIREMENTS

Two (2) External AC Adapters (Included)
Input: 100-240VAC, 50-60Hz, 0.4-0.2A
Output: 5VDC, 2.5A

CERTIFICATIONS

CE
Fully RoHS Compliant

PHYSICAL DIMENSIONS (HXWXD)

1.10 x 8.00 x 7.00 in (2.79 x 20.32 x 17.78 cm)

WEIGHT

1.6 lbs (0.7 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

Two (2) Year Limited Warranty

ORDER INFORMATION

Product	Description
SS-1210BT-BT/SFP	SINGLE*stream*™ Link Aggregation Tap (BT) with 8 Monitoring Ports (6-BT and 2-SFP)
SFP	SFP-LX, SFP-SX or SFP-RJ45 (Required Additional Purchase)
Optional Equipment	
RMC-2	2-TAP 1U Rack Mount Chassis
RMC-12-2	12-TAP 6U Rack Mount Chassis
RPS-12-5-AC (or -DC)	12-TAP Dual Redundant Rack Mountable Power Supply Unit (specify AC or DC)

universal power

Contact NextGig Systems 805-277-2400 NextGigSystems.com