



SINGLEstream™ 2206

Dual Link Aggregation Tap with 2 -10/100/1000 Monitoring Ports SS-2206BT-BT-S

Achieve full duplex visibility for two in-line network links even with single interface monitoring solutions

Aggregation

Monitoring full duplex network traffic from multiple sources is often a critical requirement for network monitoring applications. For example, in order to properly monitor redundant networks or a pair of load balanced links, network professionals might need to receive traffic simultaneously from two different network segments.

In some cases, two network links may be bound together and operate as one logical network in order to improve bandwidth. In such an implementation, packets are distributed across two different physical links. Often, traffic transmits on one segment and receives on another. This makes network analysis and monitoring especially challenging. If an analyzer or monitoring device is put on only one physical link, it will not see the entire conversation.

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 have the required hardware to aggregate traffic.

The SINGLEstream Dual Link Aggregation Tap can selectively combine a full duplex data stream to allow connected monitoring devices, even those with only one NIC, to receive a copy of all the data collected from both taps in a single trace file.

LINKprotect™

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 LINKprotect feature eliminates this point of network failure by continuously monitoring both sides of the tapped network for link status. If one side of the tap loses link status, LINKprotect™ will close the other side of the link so routers and switches can engage protocols to bypass the failed link.

LINKprotect will also keep monitoring both sides of the link until repaired 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.

Reliable and Easy to Use

Unlike setting up operating systems and binding NICs, the SINGLEstream Link Aggregation Tap is simple to deploy, and every unit comes with dual redundant power supplies to ensure monitoring uptime.

Highlights

- View entire full-duplex conversations even across redundant links using single-interface monitoring tools
- Save money by reducing the number of required tools or tool interfaces necessary to monitor all your data
- 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
- Single point of deployment and remote management minimizes management expenses and reduces MTTR
- Automatic coverage of redundant network - One tool can monitor two networks

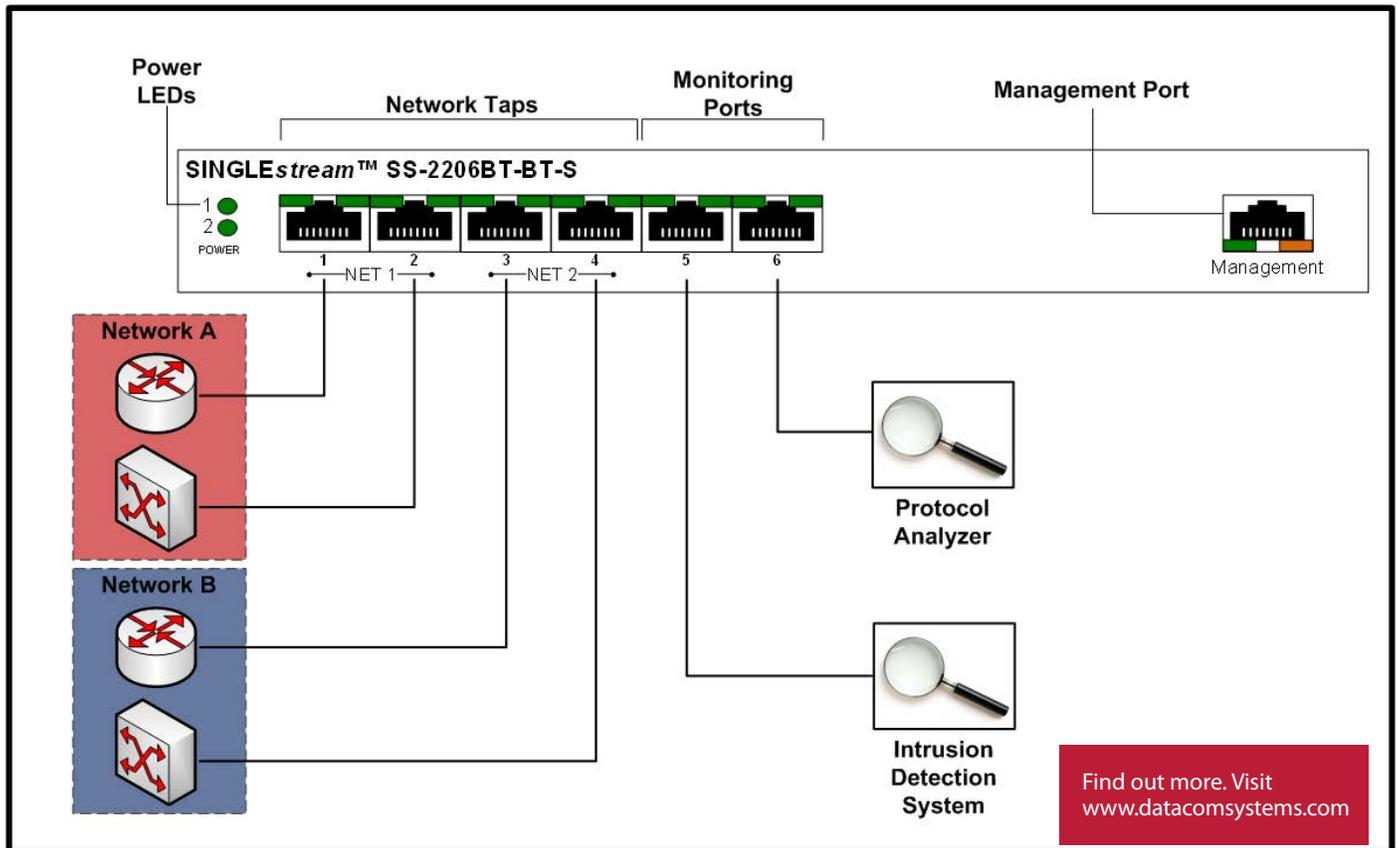
Features

- Aggregation - Receive copies of multiple network links or channels into one stream for visibility into complete network conversations
- LINKprotect - Ensure automatic failover and recovery of redundant paths and routing protocols
- Regeneration - Send copies of traffic from the tap to multiple connected tools to share data sources
- Port Speeds from 10 to 1000Mbps; supports full duplex, half duplex, or auto-negotiate
- SSH, SNMP v2c, v3
- Flexible traffic flow to monitoring tools - single-direction or bidirectional for traffic injection
- Dual Redundant Power ensures monitoring uptime.



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Find out more. Visit
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Technical Specifications

PORTS

Network: Two (2) 10/100/1000 Network Taps (RJ45)
Monitoring: Two (2) 10/100/1000 Any-to-Any Ports (RJ45)
Management: RJ45 @ 100Mbps Full-Duplex
Serial (rear): DB9F

POWER REQUIREMENTS

Two (2) External AC Adapters (included)
Input: 100-240 VAC, 50-60Hz, 0.8A

CERTIFICATIONS

CE, RoHS, CAN ICES-3 (B)/NMB-3(B)

PHYSICAL DIMENSIONS (H x W x D)

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)

ENVIRONMENT

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 (1) Year Limited Warranty

ORDER INFORMATION

Product

SS-2206BT-S

Optional Equipment

RMC-2
RMC-12-2
RPS-12-5-AC (or -DC)

Description

SINGLEstream™ Dual Link
Aggregation Tap with 2 -
10/100/1000 Taps, 2 - 10/100/1000
Any-to-Any Monitoring Ports with SSH,
SNMP

2-TAP 1U Rack Mount Chassis
12-TAP 6U Rack Mount Chassis
12-TAP Dual Redundant Rack
Mountable Power Supply Unit
(specify AC or DC)