

SINGLEstream SS-100 Series FASTstart Guide



What is included?

- (1) SS-100 Series w/ mounting bracket (for use with RMC-3 or RMC 12-3)
- (2) Power Supplies, Universal can be used worldwide
- (2) AC Power Cables (connector, in most cases, matches the country where the product is shipped)
- (1) Download Card (tells where to download more product information)

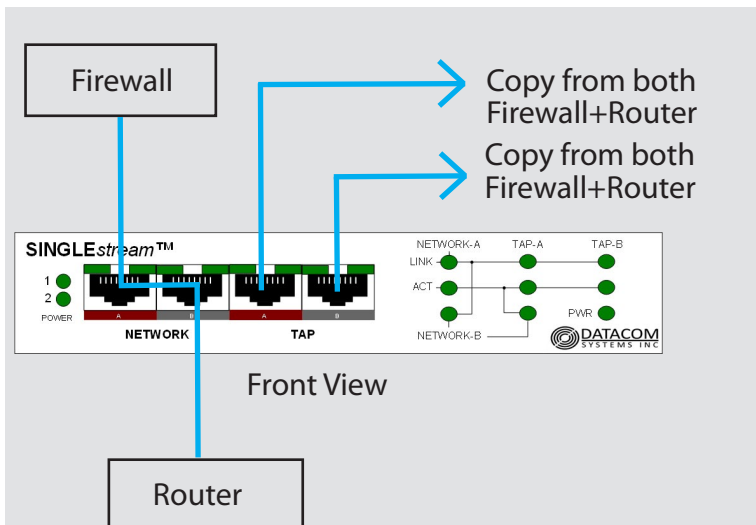
The SS-100 Link Aggregation TAP is a 10/100Mb only device from Datacom Systems that will tap a single network link and make a copy of the traffic travelling in each direction. The identical aggregate copy will come out two separate ports. In our example below, we show a tapped connection between a firewall and a router.

Installation

The SS-100 Series Network ports A and B are inserted between two directly connected network devices (i.e. firewall and router).

Connect your monitoring device to TAP (Monitor) port 1. This port will transmit incoming traffic on Network port A AND Network port B.

Connect your monitoring device to TAP (Monitor) port 2. This port will transmit incoming traffic on Network port A AND Network port B.



- Provides 2 aggregate copies of traffic from a network link to allow monitoring by an application analyzer AND security device
- Deploy redundant monitoring tools to monitor the same data
- Maximum transmission speed to monitoring tool=100Mb

Find out more.
Visit: www.datacomsystems.com

Installation Notes

All models

- All devices connected to the tap should be capable of the same maximum speed.
- Do NOT tap 1000Mb links with this tap, if you do, there will be no monitoring output, although the network connection may still route traffic
- No monitoring on TAP (Monitor) ports A or B is available if the tap is not powered
- The maximum cable length between tapped network devices should be 90m
- Rack mounts (RMC-3 or RMC 12-3) are available separately to mount 3 units horizontally or 12 units vertically
- Power supplies should be connected to outlets with different circuit breakers to maintain maximum uptime

SS-100/SS-101 Models

- The firewall and router are "passive" tapped using an inductive tapping mechanism
- Loss of power to the tap will have no impact on the network link, with no loss of packets
- Turn off MDI/MDI-X on network devices connected to the tap, since this tap uses specific wire pairs to collect traffic passively
- A cross over cable may be necessary on one of the Network ports, Network port B is recommended

SS-101/SS-102 Models

- Loss of power to the tap will impact the network link, with a momentary interruption
- These models support traffic injection, allowing a monitoring tool connected to the tap ports to sweep the network through the network ports

Note that a variety of Singlestream 100 series models exist, with different port characteristics: Confirm the model on the back of your device, or contact Datcom Systems Support team with your product serial number for validation

Model	Network Port Setting	Tap (Monitor) Port Setting	Notes
SS-100	Passive	10/100Mb Autosense	Crossover may be required on a Network port; Supports POE on Network ports
SS-101	Passive	100Mb Hardset	Crossover may be required on a Network port; Supports POE on Network ports
SS-102	10/100Mb Autosense	10/100Mb Autosense	Relay based; Supports Traffic Injection thru TAP ports; No POE support
SS-103	100Mb Hardset	100Mb Hardset	Relay based; Supports Traffic Injection thru TAP ports; No POE support

For More information

Customer Support is available from our website: www.datacomsystems.com or by calling +1 315 463 9541