



Span Tap Solutions

Non-filter, filtering and switching taps

Network taps at a glance

- Copy traffic running through a network and send that traffic to analyzers and probes that improve network efficiency and security.
- Found in large data networks in virtually every industry vertical.
- Provide permanent ports for network, application and security analysis solutions.
- Improve the performance of network, application and security solutions.
- Decrease the MTTR thru faster resolution of network, application and security issues.
- Increase the ROI of traffic analyzers and probes.
- Decrease the reliance on switch and router resources for network traffic visibility.
- Are remarkably reliable.
- Suitable for numerous IT groups
 - o Network operations
 - o Network engineering
 - o Information security
 - o Quality assurance
 - o Web analytics
 - o Application analysis
- Available in numerous configurations to support all network access strategies and objectives
 - o Inline taps
 - o Inline aggregation taps
 - o Span taps
 - o Combination inline and span taps



Span aggregating taps

Span aggregating taps increase the value of port mirroring by replicating the traffic to multiple analysis and monitoring devices. The additional ability to aggregate multiple mirror ports gives monitoring devices greater visibility across numerous network segments and maximizes the ROI on analysis and monitoring devices.

Several models feature “any-to-any” architecture and port steering. These are flexible ports that can be configured as either network (input) ports or monitor (tap) ports. Traffic from the network ports can be directed to any monitor port, allowing the traffic to be steered and aggregated as desired.

Benefits:

- Increases the value of a single switch mirror port by replicating the traffic to multiple monitoring and analysis devices.
- Increases visibility across numerous network segments, maximizing the utility of analysis and monitoring devices.
- Decreases the time it takes to deploy analysis devices to trouble spots on the network.
- Decreases contention for switch mirror port connections.
- Maximizes the ROI on analysis and monitoring devices.
- Any-to-any architecture and port steering make it easy to direct the desired mix of traffic to the appropriate device.
- Many-to-one architecture allows analysis devices to have improved visibility with fewer ports

Span aggregating filter taps

A tap’s ability to aggregate full-duplex and multiple link traffic is a great benefit to IT management because it maximizes visibility and extends the ROI of analysis and monitoring equipment. However, when traffic from multiple links and full-duplex connections exceeds the capacity of a gigabit output connection, events can be dropped or monitoring solutions can become over saturated with data. Hardware-based filtering span aggregation taps eliminate traffic not of concern for analysis or monitoring.

Filtering is based on IP addresses, VLAN ID, application port numbers, MAC addresses or byte/bit pattern. By focusing on only certain packet types, network managers can eliminate oversubscription to aggregation ports and increase the processing capability of monitoring and analysis devices. Replication of traffic to multiple monitoring ports reduces the number of network access points needed and extends management access for greater ROI.

Benefits:

- Increases the value of a single switch mirror port by replicating the traffic to multiple monitoring and analysis devices.
- Increases visibility across numerous network segments, maximizing the utility of analysis and monitoring devices.
- Decreases the time it takes to deploy analysis devices to trouble spots on the network.
- Decreases contention for switch mirror port connections.
- Maximizes the ROI on analysis and monitoring devices.

Non-filter, filtering and switching taps



- Same span aggregating tap benefits as above, plus improved performance of network analysis and monitoring solutions using hardware-based filtering within the tap.
- Analyze only relevant traffic by filtering out the unimportant.
- Avoid oversubscription to aggregation ports

Span switching taps

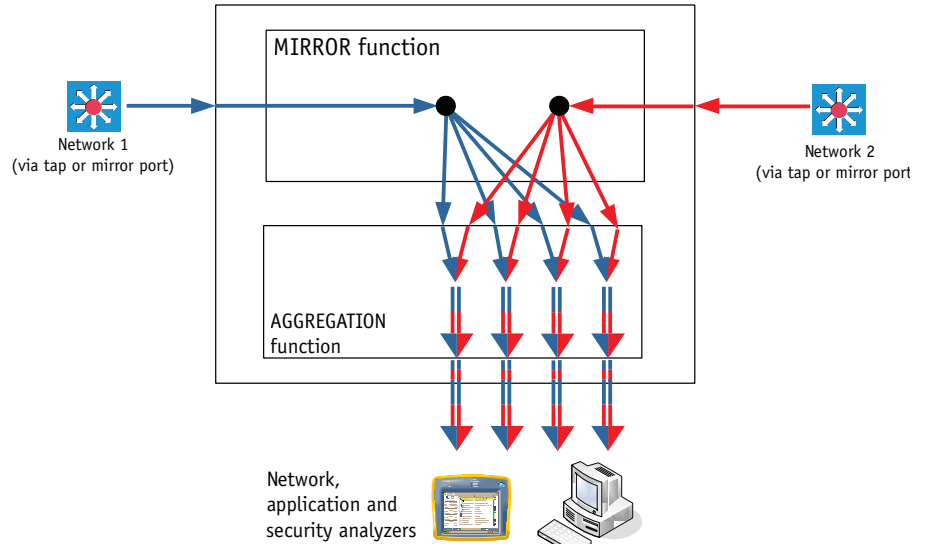
Multi-port span switching taps, also called matrix switches, extend visibility across individual network segments for analysis and monitoring devices. Select between multiple streams and route the desired traffic to your analysis and monitoring device. This speeds troubleshooting and reduces the number of analysis devices needed to support the network.

Manage traffic switching remotely using our control software. Remote switch management facilitates dynamically switching analysis devices across numerous network segments without having to physically move cables or port settings. You can daisy-chain multiple switches to access dozens of networks.

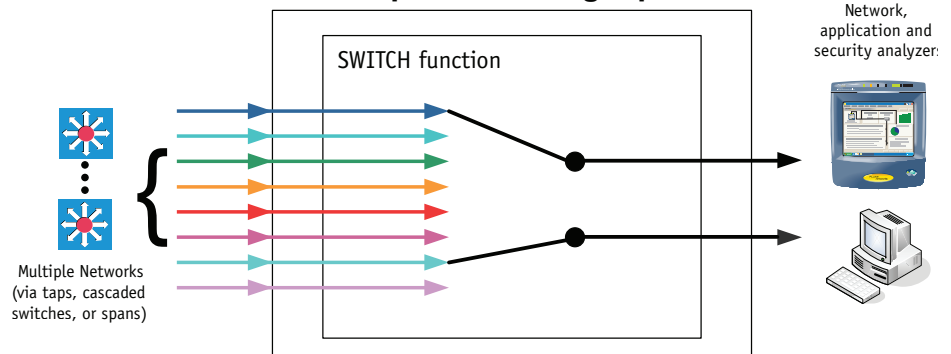
Benefits:

- Greater network visibility and central management accelerates problem resolution, reduces downtime, increases enterprise productivity, and improves ROI.
- Leverage network analysis and monitoring devices across multiple switch span ports.
- Daisy-chain up to four switches for access to dozens of ports.
- Manage the switch remotely from a central console using control software (included)
- Ideal for networks using distributed network, and application analysis solutions.

Span aggregating copper tap



Span switching tap





Model	ASTAP-100	AXSTAP-10SFP	AXSTAP-8BTX2SFP	FAXSTAP-8BTX8SFP	STAP-BT-4X16
Span	✓	✓	✓	✓	✓
Aggregation	✓	✓	✓	✓	
Filter				✓	
Port Steering		✓	✓	✓	
Switching					✓
Speed	10 100	10 100 1000	10 100 1000	10 100 1000	10 100 1000
Dedicated network (input) ports	2				16
Dedicated network (input) media	RJ45				RJ45
Flexible network/monitor ports		10	10 max	8 max	
Flexible port media		10 SFP	8xRJ45 2xSFP	8xRJ45 8xSFP	
Monitor ports	2 max	10 max	10 max	8 max	4
Monitor port media	RJ45	SFP	8xRJ45 2xSFP	8xRJ45 8xSFP	RJ45
Injection	✓	✓	✓	✓	✓
Redundant power		✓	✓	✓	
Management port				✓	
Management via FlowControl				✓	
Rack mount kit	RMK-3	RMK-2	RMK-2		
Dimensions (HxWxD)	1.07 x 5.00 x 5.00 in	1.10 x 8.00 x 7.00 in		1.75 x 19.00 x 12.00 in	1.72 x 19.00 x 11.00 in
	2.7 x 12.7 x 12.7 cm	2.79 x 20.32 x 17.78 cm		4.5 x 48.26 x 30.48 cm	4.37 x 48.26 x 27.94 cm
Weight	0.75 lb	1.6 lb		7.4 lb	12.0 lb
	0.34 kg	0.7 kg		3.4 kg	5.5 kg
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				

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