FLUKE networks

Inline Tap Solutions

Copper and fiber 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*

Inline taps

Inline taps install between two network devices. Network devices include switches, routers, firewalls, servers and hosts. Network, application, or security analyzers then attach to the tap. The tap provides a copy of the network traffic for real-time monitoring and analysis.

Inline taps offer the clearest visibility of a network link's performance. Inline taps pass non-conforming traffic including error, oversize, undersize, tagged and malformed packets. When measuring the timing of applications on a network link, inline taps offer the most accurate representation of response time degradation. Port mirroring often skews the packet arrival time.

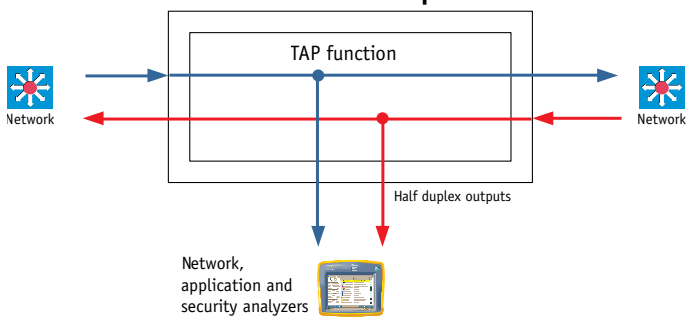
Many fiber taps are non-powered, with no active components. Combine these resilient taps with a Span tap and you have solid inline analysis to one or more devices.

Inline taps feature half-duplex monitor ports. Taps are available for accessing copper and fiber optic network traffic.

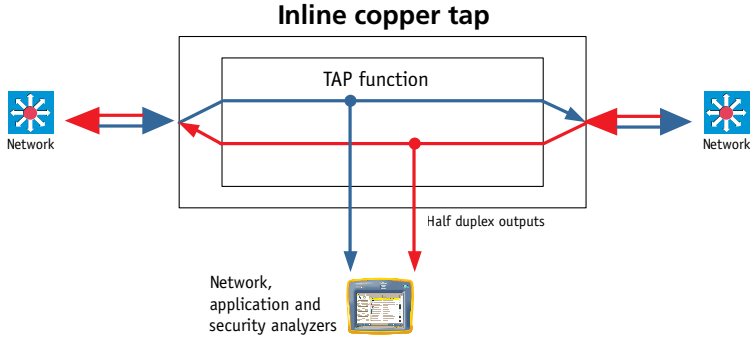
Benefits:

- Passive, fault tolerant design.
- Full-line rate support on high-bandwidth, full-duplex network links.
- Plug-and-play simplicity for fast analysis and deployment.
- Eliminates the need for port mirroring which can degrade switch performance

Inline fiber tap



Inline copper tap



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Model	TAP-100	TAP-10 100 1000	TAP-1000BT-SX	TAP-T1E1	TAP-DS3E3	FTAP-62-50	FTAP-50-50	FTAP-50-50-10G	FTAP-9-50	FTAP-9-50-10G
Inline	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Speed	10 100	10 100 1000	1000	1.5Mbps	45Mbps	OC3 OC48 1000SX	OC3 OC48 1000SX	OC3 OC48 1000SX 10G	OC3 OC48 1000LX	OC3 OC48 1000LX 10G
Dedicated network (input) ports	2	2	2	2	2	2 Tx/Rx pairs	2 Tx/Rx pairs	2 Tx/Rx pairs	2 Tx/Rx pairs	2 Tx/Rx pairs
Dedicated network (input) media	RJ45	RJ45	RJ45	RJ48C	BNC	62um SC	50um SC	50um SC	9um SC	9um SC
Fiber						✓	✓	✓	✓	✓
Split ratio (if fiber)						50/50	50/50	50/50	50/50	50/50
Monitor ports	2 max	2 max	2 max	1	2 max	1 link (Tx/Rx pair)	1 link (Tx/Rx pair)	1 link (Tx/Rx pair)	1 link (Tx/Rx pair)	1 link (Tx/Rx pair)
Monitor port media	RJ45	RJ45	1000SX LC	RJ48C	BNC	62um SC	50um SC	50um SC	9um SC	9um SC
Pass errors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pass PoE	✓									
Redundant power*	✓	✓	✓	NP	NP	NP	NP	NP	NP	NP
Rack mount kit	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3	RMK-3
Dimensions (HxWxD)	1.07 x 5.00 x 5.00 in									
	2.7 x 12.7 x 12.7 cm									
Weight	0.50 lb	0.75 lb								
	0.23 kg	0.34 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									

* NP = non-powered

NETWORKSUPERVISION

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