

ApconTap™

Data Delivery for Network Visibility

40G BiDi SR TAP
Chassis and 100G
SR TAP Chassis



40G SR TAP
½U Chassis



FEATURES

ApconTaps are available in a variety of speeds and configurations that scale to accommodate any size network deployment.

- Optimized and tested to support speeds of 1G, 10G, 40G and 100G
- Provides full visibility to network traffic without interference to data stream
- Passes full duplex traffic transparently at line rate
- No configuration required: simply plug and play
- 40G BiDi option leverages newer bidirectional optics
- Quality engineering and unrivaled customer service

ApconTaps are a highly reliable way to access data on the network and provide that data non-intrusively to network tools. Because TAPs offer an uncensored view of all network traffic, they have become an integral part of the network monitoring architecture.

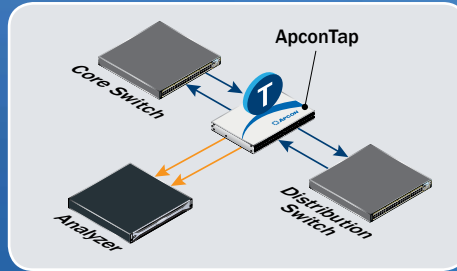
Getting Data From the Network

TAPs are used by network engineers or administrators to access data to analyze and debug problems or diagnose errors on a network. They help administrators keep a close eye on network performance and alert them when problems occur.

A network TAP (Test Access Port) is a device that provides easy access to the data flowing through a network. TAPs can be placed between any two connected devices on the network. This can be between a router and a switch, a server and a client, or any other network devices as long as they are connected directly to each other.

How TAPs Work

A TAP designed to monitor one network connection generally comes with at least three ports: an A port, a B port and a monitor port. TAPs allow the network traffic to flow through the A and B ports of the device uninterrupted, while simultaneously copying the same data to the monitor port. The monitor port can be used to feed Voice over IP (VoIP), network probes, protocol analyzers, packet sniffers, remote monitoring (RMON) probes, and



data aggregation and filtering systems such as the APCON IntellaFlex XR network monitoring solution.

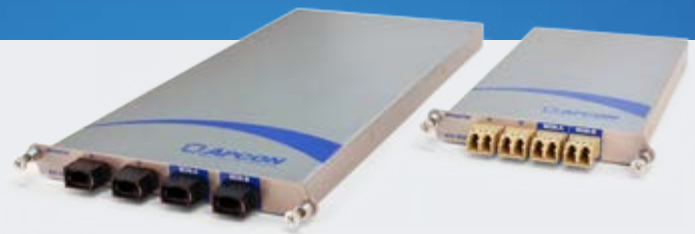
TAPs are available for all standard network connections used today. Fiber TAPs are popular because they provide a much higher data rate than other TAPs with supported speeds of 1G up to 100G.

ApconTap – Fast, Secure & Modular

APCON offers a portfolio of passive TAPs that captures network traffic under all conditions and simplifies network monitoring and security efforts. ApconTaps are designed to fit in the same data center rack near any APCON intelligent network monitoring system. As passive TAPs, they do not affect link traffic in any way and since they do not have an assigned address on the network, they cannot be hacked. Also, ApconTaps do not require power so they are not subject to power or logic-control failures.

The modular design of the ApconTap eliminates unnecessary cabling and connections, improving both reliability and security. No configuration is required – simply install the ApconTap in line with your network links to begin passive monitoring. The failsafe ApconTap serves 1G, 10G, 40G and 100G single mode or multimode fiber optic connections with 100% uptime.

The ApconTap supports common data center optical fiber standards. Split ratios are available at 50/50, 60/40, and 70/30 in each optical fiber standard. All fiber types use standard LC or MTP/MPO connectors. The ApconTap rack-mount chassis is available in multiple configurations to support up to 16 network TAPs.



1G/10G



1G/10G TAP Chassis
(4 Modules in 1/2U;
8 Modules in 1U)

40G



40G SR TAP Chassis
(3 Modules in 1/2U;
6 Modules in 1U)



40G BiDi SR TAP Chassis
(4 Modules in 1/2U;
8 Modules in 1U)

100G



100G LR TAP Chassis
(4 Modules in 1/2U;
8 Modules in 1U)



100G SR TAP Chassis
(3 Modules in 1/2U;
6 Modules in 1U)

ApconTap Benefits

Integrates fully with APCON IntellaFlex XR chassis and blades to support **packet aggregation, rate conversion, port tagging and filtering capabilities**

Provides 24/7 point of access to traffic for **network troubleshooting**

Helps make your network **efficient, secure and compliant**

Highly **reliable** and **low cost**

Quick to deploy, **no configuration required**

Reduces operational expenses and mitigates risks

Avoids bottlenecks and **packet loss**

ApconTaps – Wide Range of Speeds and Options

TAP Module	TAP Ports per Module	Modules per Chassis (½ RU / 1 RU)	TAPs per Chassis (½ RU / 1 RU)	Connector Type	Mode
1G/10G SR	2	4 / 8	8 / 16	LC	Multi
1G/10G LR	2	4 / 8	8 / 16	LC	Single
40G SR	1	3 / 6	3 / 6	MTP/MPO	Multi
40G LR	2	4 / 8	8 / 16	LC	Single
40G BiDi SR	1	4 / 8	4 / 8	LC	Multi (BiDi)
100G SR	1	3 / 6	3 / 6	MTP/MPO	Multi
100G LR	2	4 / 8	8 / 16	LC	Single

SR = Short Range LR = Long Range BiDi = Bidirectional

Deciding how to get data from your network and into your monitoring and security tools is just as important as the tools themselves. ApconTaps are the best choice for feeding packet analyzers, intrusion detection systems, monitoring tools and security devices.

Service and Support



APCON's professional services team of certified engineers have years of experience optimizing network monitoring strategies for businesses across the globe. Not only can they help select monitoring systems, install, assist with wiring and integrating existing analysis tools, this team proudly provides around the clock troubleshooting services and support.

The APCON Difference



APCON leverages its proprietary IP and deep expertise to provide flexible, focused solutions across the healthcare, financial services, manufacturing, government, telecommunications and education sectors. APCON solutions provide businesses with the flexibility and means to gain visibility to their data more efficiently, resulting in savings across the board – including time, resources and maintenance.

About APCON



APCON is headquartered near Portland, Oregon, where it has operated since 1993. APCON's in-house staff manages product design and development, manufacturing, quality assurance and final testing, customer training and long-term servicing of its solutions – whether for a system with a single switch or a global installation that spans across multiple geographical locations.

