

Network Monitoring TAPs

Ordering Guide



NETWORK TAPs

Section one: Gain visibility into your network

Insight on your network traffic is critical to meeting customers' demands for bandwidth, applications and low latency. Networks must add more connections, which represent risks to performance and risks to security if left un-monitored.



Organizations must enable monitoring while reducing or eliminating risk to network performance and uptime. However, each additional device for monitoring adds latency and outage risk.

Network test access points (TAPs) are a passive monitoring device that pass traffic from the live network to the monitoring devices. They also provide a demarcation between the live network and monitoring infrastructure, enabling organizations to augment their monitoring infrastructure while reducing risk and preserving network performance. Amphenol Network Solutions TAPs meet this demand and provide best-in-class density and cable management.

Amphenol Network Solutions TAPs are designed and tested to pass traffic at 1G, 10G, 40G, 100G, 200G & 400G bandwidths with various connector types and split ratios. Amphenol Network Solutions TAPs use high-quality adapters and connectors to ensure low insertion loss and highest return loss. LC TAPs monitor ports are color coded to guarantee ease of installation and reduce installation errors.

Benefits

- **Cost savings:** The density achieved with Amphenol Network Solutions TAPs reduces floor space costs to deploy TAPs into your network.
- **Return on investment:** Amphenol Network Solutions standard TAPs modules are interchangeable when used with a C2E and/or C2X chassis.
- **Improved fiber lifespan:** Correct cable management practices can ensure your fiber cable does not fail over time through the development of fractures in the glass.

Key Features

- **Modularity:** Deploy up to 48 different modules in a 4RU C2E chassis and 32 in the C2X chassis
- **High performance:** Passively access data without disrupting network performance or link state
- **Complete visibility:** Provides 100% visibility of network traffic including errors, malicious or non-conforming packets
- **Flexibility:** Deploy single mode, multimode, LC and MPO together in a single chassis
- **Telcordia compliant:** Compliant with all applicable GR- Standards and FOCIS for intermateability

Section Two: Deployment Options

Amphenol offers two panel options for inside plant taps: the **C2X** medium-density bulkhead style panel, and the **C2E** high-density tray-based panel. Combined with a variety of module options, customers can balance high density along with smaller granularity in terms of number of tap-circuits per module. The modules also offer the choice between total front access (TFA) or standard front/rear access (FRA)

Circuits Per Rack Unit				
Connector Type	Amphenol C2E		Amphenol C2X	
	Front/Rear Access	Total Front Access	Front/Rear Access	Total Front Access
LC	36	24	24	16
MPO	36	18	24	12

C2E High Density Panels

The C2E chassis was designed bottom up for AOM modules. The chassis is modular with leading density and cable management features. Multiple module options are available: Standard modules offer 6 port positions per side (6 MPO, or 12 LC). Slim modules offer four ports (4 MPO, or 8 LC) for Base-8 style circuits. See below module section for more details on available options and features.



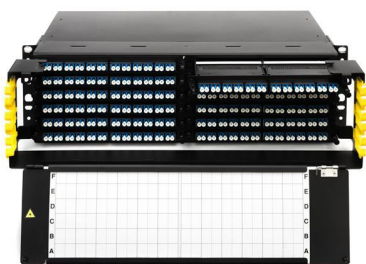
C2E 1RU Base-12 chassis



C2E 1RU Base-8 Slim chassis

Bulkhead C2X Panels

The C2X chassis is a streamlined, dense bulkhead-style panel that can also hold AOM modules. AOM Mounting Trays and modules are ordered separately from the chassis. Each mounting-tray holds two standard modules, or one dual module. Customers should order as many trays as needed based on the number of modules ordered. Blanking plates are available to cover unused mounting slots and allow for easy future expansion.



C2X 4RU panel



C2X AOM Mounting Tray

Section Three: Available Modules

Chassis Module Counts			
RU	C2E-0xU (Standard AOM)	C2E-0xU8 (Mini AOM)	C2X-0xU (Standard AOM)
1	12	18	NA
2	24	36	16
3	NA	NA	24
4	48	72	32

* 'x' in chassis PN represents RU size

** C2X requires one 'C2X-TRAY' per two standard modules



Single mode – Standard LC TAP
Front-Rear Access (FRA)



Single mode – Standard LC TAP
Total Front Access (TFA)



Multimode – Standard MPO TAP Front-Rear
Access (FRA)



Multimode – Mini MPO TAP Total-Front Access
(TFA)

Section Four: Ordering Information

TAP Model	Part Number	Description
Single-mode LC	HX-TAP3-55SML	AOM,3 TAPS:MON,LC/UPC,50/50,SM
	HX-TAP3-64SML	AOM,3 TAPS:MON,LC/UPC,60/40,SM
	HX-TAP3-73SML	AOM,3 TAPS:MON,LC/UPC,70/30,SM
	HX-TAP2-55SML-FA	AOM,2 TAPS:FRONT ACCESS,LC/UPC,50/50,SM
	HX-TAP2-73SML-FA	AOM,2 TAPS:FRONT ACCESS,LC/UPC,70/30,SM
Multimode LC	HX-TAP3-55MML	AOM,3 TAPS: MON,LC/UPC,50/50,MM OM4
	HX-TAP3-64MML	AOM,3 TAPS: MON,LC/UPC,60/40,MM OM4
	HX-TAP3-73MML	AOM,3 TAPS: MON,LC/UPC,70/30,MM OM4
	HX-TAP2-55MML-FA	AOM,2 TAPS:FRONT ACCESS,LC/UPC, 50/50, MM
	HX-TAP2-73MML-FA	AOM,2 TAPS:FRONT ACCESS, LC/UPC, 70/30, MM
Single-mode MPO	HX-C2PS4-MPO1S2	AOM,PSM4,SM,2 TAPS,MPO,TYPEB,70/30,SPLIT MON MPO, NON-PINNED
	HX-TAP2-73DR4M	AOM, 2 TAPS, 70/30, DR4, SMF, MPO-PINNED
Multimode MPO	HX-C2SR4-MPO1	AOM,2 TAPS, BASE8,OM4, MM,MPO, 70/30, MPO-PINNED
	HX-C2SR4-MPO1FA	AOM,1 TAP FRONT ACCESS, BASE8, OM4, MM, MPO, 70/30, MPO-PINNED
	HX-C2SR4-MPO1S	AOM,SR4,OM4,MM,2 TAPS,MPO,TYPEB,70/30, SPLIT MON MPO-PINNED
	HX-C2SR4-MPO1S2	AOM,SR4,OM4,MM,2 TAPS,MPO,TYPEB,70/30, SPLIT MON MPO, NON-PINNED

*Additional split-ratios and connector layouts available – contact Sales for information