

NETWORK TAPs

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 unmonitored.



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 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

Available Models



Single-mode - LC TAPs Front and Rear Access (FRA)



Single-mode LC TAPs Total Front Access (TFA)



Multimode SR4 (MPO TAPs)

Ratio Specifications

Split Ratio (net/mon)	50/50	60/40	70/30	80/20	90/10
LC multimode (dB)	3.9 / 3.9	2.9 / 4.9	2.2 / 6.15	1.65 / 7.95	-
LC single mode (dB)	3.7 / 3.7	2.8 / 4.8	2.0 / 6.1	1.35 / 8.05	0.85 / 12.05
MPO multimode (SR4) (dB)	4.3 / 4.3	-	2.4 / 6.4	-	-

Optical Specifications

Singlemode :: G657.A

MPO Ultra low loss IL ≤ 0.35 dB RL ≥ 60 dB

LC IL ≤ 0.20 dB RL ≥ 55 dB

Multimode :: OM4

MPO Ultra low loss IL ≤ 0.35 dB RL ≥ 20 dB

LC IL ≤ 0.20 dB RL ≥ 20 dB

Ordering Information

TAP Model	Part Number	Description
C2 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-TAP3-82SML	AOM,3 TAPS: MON,LC/UPC,80/20,SM
	HX-TAP3-91SML	AOM,3 TAPS: MON,LC/UPC,90/10,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
C2 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-TAP3-82MML	AOM,3 TAPS: MON,LC/UPC,80/20,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
C2 Single-mode MPO (PSM4)	HX-C2PS4-MPO1S2	AOM,PSM4,SM,2 TAPS,MPO,TYPEB,70/30,SPLIT MON MPO,FEMALE
C2 Multimode MPO (SR4)	HX-C2SR4-MPO1	AOM,2 TAPS, BASE8,OM4, MM,MPO, 70/30
	HX-C2SR4-MPO2	AOM,2 TAPS, BASE8,OM4, MM,MPO, 50/50
	HX-C2SR4-MPO1FA	AOM,1 TAP FRONT ACCESS, BASE8, OM4, MM, MPO, 70/30
	HX-C2SR4-MPO2FA	AOM,1 TAP FRONT ACCESS, BASE8, OM4, MM, MPO, 50/50
	HX-C2SR4-MPO1S	AOM,SR4,OM4,MM,2 TAPS,MPO,TYPEB,70/30, SPLIT MON MPO
	HX-C2SR4-MPO2S	AOM,SR4,OM4,MM,2 TAPS,MPO,TYPEB,50/50, SPLIT MON MPO
	HX-C2SR4-MPO1S2	AOM,SR4,OM4,MM,2 TAPS,MPO,TYPEB,70/30, SPLIT MON MPO, F