

F1L-AT ACTIVE FIBER TAP

ULTRA LOW INSERTION LOSS FIBER TAP

The F1L-AT is an active Fiber Optic TAP suited to duplicate full-duplex traffic at wire speed, providing monitoring devices with an accurate copy of the traffic with no impact on the network. It uses LC connectors with low insertion loss zirconia sleeve adapters, and is available in Single-Mode (9/125µm) and Multi-Mode (50/125µm).

The TAP replicates the output signal on the network and monitoring ports, making sure there is no loss of optical signal. As an active fiber TAP, the F1L-AT has a fail-safe mechanism in place that will keep the network operational in all cases.

The F1L-AT is non-intrusive, has no IP address, and isolates monitoring devices from the network to ensure complete stealth and security. Its compact design allows it to be placed along with 2 other Profitap TAPs in a 1U Profitap Rack Frame (ref. ARF-1U) for up to 3 TAPs in 1U rack space.



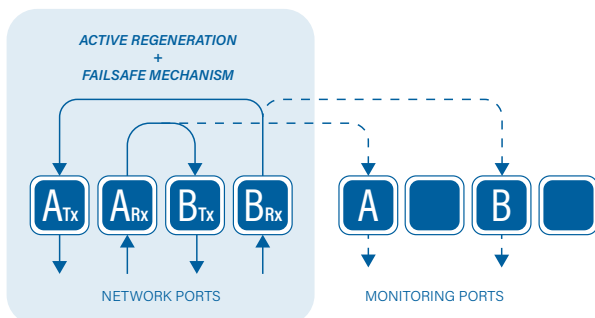
FEATURES

- Non-intrusive in-line monitoring
- Fail-safe in-line design ensures uninterrupted network operation in case of power loss
- No point of failure
- Signal regeneration to network and monitor port
- Supports link failure propagation (LFP)
- Redundant powering
- In-Line Signal Detection LED
- Data rate independent

TECHNICAL SPECIFICATIONS

NETWORK LINKS	MONITOR LINKS
1	1
CONNECTORS	ENCLOSURE
LC quad with zirconia adapters	Aluminum
WEIGHT	DIMENSIONS (WxDxH)
370 g — 0.82 lb	113 x 168 x 30 mm 4.45 x 6.61 x 1.18 in
POWER INPUT	FRONT PANEL DIMENSIONS (WxH)
2 x 12 VDC	143 x 35 mm — 5.63 x 1.38 in
INCLUDED ACCESSORIES	OPTIONAL ACCESSORIES
1 x 90–240 VAC PSU	1U Rackmount Frame (ARF-1U) 90–240 VAC PSU (APWR2)

PORT PARAMETERS	POWERED	UNPOWERED
Attenuation A ► B (NET)	—	< 1 dB
Attenuation B ► A (NET)	—	< 1 dB
Receiver Sensitivity (NET)	S: <-14.4 dBm L: <-11.1 dBm EL: <-16 dBm (high sensitivity) E: <-16 dBm Z: <-23 dBm	—
TX Power (NET & MONITOR)	S: -7.3 ~ -1 dBm L: -8.2 ~ 0.5 dBm EL: -8.2 ~ 0.5 dBm E: 0 ~ 5 dBm Z: 0 ~ 4 dBm	—
Failsafe Switchover Delay	< 10 ms	



FIBER TYPE (NET)	SPEED	ORDER REFERENCE
MM 50/125 µm SR	1 - 10G	F1L-AT-S*
SM 9/125 µm LR	1 - 10G	F1L-AT-L*
SM 9/125 µm ER	1 - 10G	F1L-AT-E*
SM 9/125 µm ZR	1 - 10G	F1L-AT-Z*
SM 9/125 µm LR (-16dBm)	1 - 10G	F1L-AT-EL*

* Available standards for monitoring ports: S=SR, L=LR, E=ER, Z=ZR, EL=LR(high sensitivity)