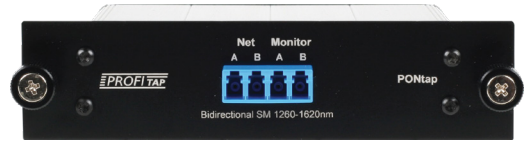# BiDi PON TAPs

PROVIDING VISIBILITY TO BIDIRECTIONAL PON LINKS

Our Bidirectional PON TAPs are specifically designed for the monitoring of bidirectional passive optical networks.

While typical fiber optic networks use one fiber strand for transmission (Tx), and one for reception (Rx), bidirectional connections allow both Tx and Rx to take place within the very same fiber strand. Such connections cannot be monitored using standard fiber TAPs.

Separating the signal between Rx and Tx can present a significant challenge. Profitap Bidirectional PON TAPs achieve this feat flawlessly and allow for seamless monitoring at all times.

Profitap Bidirectional PON TAPs are fully passive, requiring no power, and use low insertion loss zirconia sleeve adapters. BiDi PON TAPs are available in portable 1-link, and rack-mounted 1-, 3- and 6-link models (up to 18 TAP points in a 1U footprint).

1-LINK BiDi PON TAP   **F1RLP**

FEATURES

- Non-intrusive in-line monitoring
- Permanent network link guaranteed
- Monitoring of all OSI layers
- No packet loss
- No point of failure
- Passive, unpowered
- Wavelengths 1260–1620 nm
- 10-year warranty

TECHNICAL SPECIFICATIONS

ORDER REFERENCE	F1PLP	F1RLP	F3RLP	F6RLP
MODEL	**PORTABLE 1-LINK**	**1-LINK**	**3-LINK**	**6-LINK**
NETWORK LINKS	1	1	3	6
MONITOR LINKS	1	1	3	6
FOOTPRINT	PORTABLE	UP TO 3 IN 1U	UP TO 3 IN 1U	UP TO 3 IN 1U
DIMENSIONS (WxDxH)	113 x 88 x 30 mm / 4.4 x 3.5 x 1.2 in	113 x 88 x 30 mm / 4.4 x 3.5 x 1.2 in	113 x 88 x 30 mm / 4.4 x 3.5 x 1.2 in	113 x 128 x 30 mm / 4.4 x 5 x 1.2 in
FRONT PANEL DIMENSIONS (WxH)	—	143 x 35 mm / 5.6 x 1.4 in	143 x 35 mm / 5.6 x 1.4 in	143 x 40 mm / 5.6 x 1.6 in
WEIGHT	148 g / 0.33 lb	154 g / 0.34 lb	164 g / 0.36 lb	230 g / 0.51 lb
CONNECTORS	LC QUAD WITH ZIRCONIA ADAPTERS			
FIBER TYPE	SINGLE-MODE 9/125 µm			
SPEED	1–100 Gbps			
SPLIT RATIO	50/50			
WAVELENGTH	1260 to 1620 nm			
MAX INSERTION LOSS	3.6 dB *			
ENCLOSURE	BLACK & NATURAL ANODIZED ALUMINUM			
OPERATING TEMPERATURE	-5°C to 70°C			
STORAGE TEMPERATURE	-40°C to 85°C			
HUMIDITY	10 to 90%, NON-CONDENSING			

Doesn't include external connector loss.

V2.5-11.21