

BiDi PON TAPS

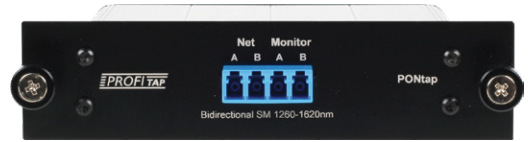
PROVIDING VISIBILITY TO BIDIRECTIONAL PON LINKS

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

FIRLP

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.