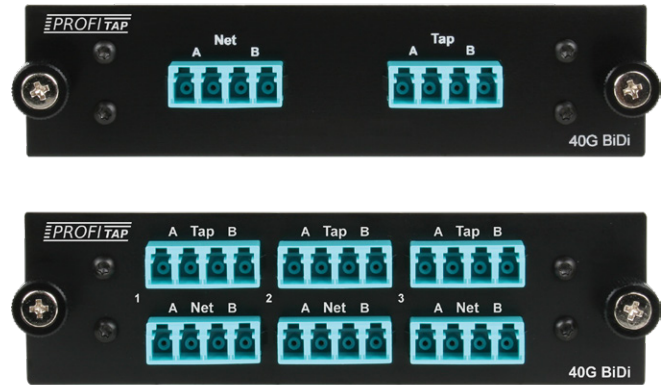# 40/100G BiDi TAPs

Providing Visibility To Cisco Bidirectional Links

The Profitap 40/100G BiDi fiber optic TAPs were specifically designed for the monitoring of Cisco bidirectional links.

The Cisco bidirectional standard uses two parallel multi-mode fiber strands to transmit the signal, rendering standard tapping systems inadequate for the monitoring of such links. The Profitap 40/100G BiDi fiber optic TAP transmits traffic to monitoring tools from all fiber optic signals, enabling total visibility over your network.

For complete security and optimum performance, the 40/100G BiDi TAPs are fully passive, requiring no power for operation. They are available with OM4 and OM5 fiber optic cabling, in single and triple density (up to 9 TAP points in a 1U footprint), and use low insertion loss zirconia sleeve adapters.

Technical Specifications

ORDER REFERENCE	F1R-40BD	F1R-40BD2	F3R-40BD	F3R-40BD2
Connectors	LC	LC	LC	LC
Links	1	1	3	3
Fiber type	OM4 MM 50µm	OM5 MM 50µm	OM4 MM 50µm	OM5 MM 50µm
Speed	40G/100G	40G/100G	40G/100G	40G/100G
Wavelength	832 to 912 nm	832 to 912 nm	832 to 912 nm	832 to 912 nm
Split ratio	50/50	50/50	50/50	50/50
Dimensions (WxDxH)	113 x 128 x 30 mm 4.4 x 5 x 1.2 in	113 x 128 x 30 mm 4.4 x 5 x 1.2 in	113 x 128 x 30 mm 4.4 x 5 x 1.2 in	113 x 128 x 30 mm 4.4 x 5 x 1.2 in
Front panel dim. (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	143 x 40 mm 5.6 x 1.6 in
Weight	220 g 0.49 lb	220 g 0.49 lb	265 g 0.58 lb	265 g 0.58 lb
Compliance	RoHS — CE			
Footprint	Up to 3 in 1U rackmount frame			

Application

- Cisco Application Centric Infrastructure
- Cisco systems using 40G and 100G transceivers
- Cost-efficient upgrade to 40G and 100G

Features

- Non-intrusive in-line monitoring
- Permanent network link guaranteed
- Monitoring of all OSI layers
- No packet loss, no point of failure
- Passive, unpowered
- 40G and 100G dual-rate capability
- Backward compatibility with 40G BiDi
- 10-year warranty

Maximum insertion loss (dB)

40/100G BiDi (OM4 MM 50µm)	3.8 / 3.8
40/100G BiDi (OM5 MM 50µm)	3.8 / 3.8

Note: These values don't include external connector loss.

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