

40G BiDi TAP

Providing Visibility to Cisco 40G Bidirectional Links

- The Profitap 40G BiDi fiber optic TAP was specifically designed for the monitoring of Cisco 40Gb bidirectional links.

The new Cisco 40G BiDi standard quadruples the speed in standard dual LC (OM3-4, 10Gb) data center cabling, thereby allowing for a cost effective migration from 10Gb to 40Gb. This quadrupling of speed is achieved by doubling the data rate and using bidirectional technology instead of unidirectional.

The Cisco 40G bidirectional standard uses 2 parallel multi-mode fiber strands to transmit the signal, rendering standard tapping systems inadequate for the monitoring of such links. The Profitap 40G BiDi fiber optic TAP transmits traffic to monitoring tools from all fiber optic signals, enabling total visibility over your network.

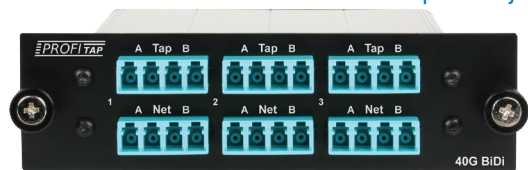
For complete security and optimum performance, the 40G BiDi is fully passive, requiring no power, and uses exclusively OM4 fiber optic cabling and low insertion loss zirconia sleeve adapters. The 40G BiDi exists in single and triple density models (up to 9 TAP points in a 1U footprint).

- **Application**
 - Cisco Application Centric Infrastructure
 - New Cisco systems using 40G transceivers
 - Cost-efficient upgrade from 10G to 40G
- **Technical Specifications**

F1R-40BD Single Density



F3R-40BD Triple Density



- **Features**
 - Non-intrusive in-line monitoring
 - Permanent network link guaranteed
 - Monitoring of all OSI layers
 - No packet loss
 - No point of failure
 - Passive, unpowered
 - Various split ratios available
 - 10-year warranty

Order Reference	F1R-40BD	F3R-40BD
Network Links	1	3
Monitor Links	1	3
Connectors	LC quad with zirconia adapters	LC quad with zirconia adapters
Fiber Type	Multi-Mode (OM4)	Multi-Mode (OM4)
Split Ratio	50/50	50/50
Wavelength	850 to 1310 nm	850 to 1310 nm
Max Insertion Loss (Net-Net)	3.8 dB*	3.8 dB*
Max Insertion Loss (Net-Monitor)	3.8 dB*	3.8 dB*
Enclosure	Black & natural anodized aluminum	Black & natural anodized aluminum
Operating Temperature	-10°C to 60°C	-10°C to 60°C
Storage Temperature	-15°C to 90°C	-15°C to 90°C
Humidity	10 to 90%, non-condensing	10 to 90%, non-condensing
Footprint	Up to 3 in 1U rackmount frame	Up to 3 in 1U rackmount frame
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
Front panel dimensions (WxH)	143 x 35 mm / 5.6 x 1.4 in	143 x 40 mm / 5.6 x 1.6 in
Weight	220 g / 0.49 lb	265 g / 0.58 lb

*Doesn't include external connector loss.

Declaration of EU RoHS Compliance

The 40G BiDi TAPs are 6 of 6 compliant with the European Union RoHS2 Directive (2011/65/EU).

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