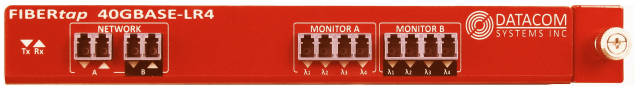
FTP Series Specialty Fiber TAPs

25G/40GBase MTP/MPO, 25G/40G-SR4, 40G BiDi, 100GBase-SR4, 40GBase-LR4, and 40/100GBase-LR4 and more

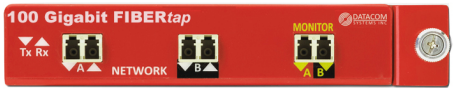
FTP-1514



FTP-1516

FTP-1518

FTP-1534



FTP-1546

24x7 FULL DUPLEX VISIBILITY

These Datacom Taps are a compact and flexible solution for tapping specialized higher speed links, including those utilizing MTP/MPO connectors, BiDi, and multiple wavelength links (SR4 and LR4.) Unlike SPAN ports, these taps provides visibility into Layer 1 and 2 errors , and pass 100% of traffic - no dropped packet copies.

POWER FAULT TOLERANCE

Totally passive optical splitters are utilized for tapping for tapping. There is zero impact on the tapped link other than a moderate amount of insertion loss.

NON-POWERED and NON-MANAGED

All tapping and propagation of signals to the Monitor Ports is done using passive optical components - no power is required. Zero configuration is needed; these are non-managed devices. These Taps are also immune to hacking on the tapped link - the tools remain invisible to the traffic on the tapped link and pass only copies of it to the tools.

Topologies and Models

FTP-1514 - Provides passive permanent access into single **25Gbase or 40Gbase MPO fiber trunk links.**
It utilizes MTP™ connectors (MPO) and can tap single 12 strand fiber links.
Tap uses a 50/50 split. (FTP-1714 uses a 70/30 split.)

FTP-1516 - Provides passive permanent access into **40Gbase-LR4 network links,** sending a copy of traffic from each device on each wavelength out 4 LC ports in LR format. This allows access to a multi-lambda fiber connection, and enables monitoring by combining 4 SFP+ single wavelength ports into one native 40GbE interface on monitoring tools (monitoring tool interface must support this feature.) **Monitor outputs are at 1271, 1291, 1311 and 1331nm.**
Tap uses a 50/50 split. (FTP-1716 uses a 70/30 split.)

FTP-1518 - Provides passive permanent access for monitoring and security tools in **40Gbase BiDi links.** It sends a bidirectional copy of the traffic from each link endpoint device out a set of 4 LC monitoring ports. The monitor ports (two for the A side and two for the B side) must be monitored by tools provisioned with 40G "receive only" QSFPs.
Tap uses a 50/50 split. (FTP-1718 uses a 70/30 split.)

FTP-1534 - Provides passive permanent access into 1**00GBase-SR4 or 200GBase-SR4 MPO fiber trunk links.**
It utilizes MTP™ connectors (MPO) and can tap single 12 strand fiber links.
Tap uses a 50/50 split. (FTP-1734 uses a 70/30 split.)

FTP-1546 - Provides passive permanent access into the following **link types: 100GBASE-LR4, 100GBASE-ER4, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 200GBASE-FR4, 200GBASE-LR4, 200GBASE-ER4, 400GBase-FR8, 400GBase-LR8, 400GBase-ER8, 400GBase-FR4, 400GBase-LR4-6, 400GBase-ZR**
Two full duplex LC network port pairs are used to tap the link, and monitoring is provided by two simplex LCmonitor ports
Tap uses a 50/50 split. (FTP-1746 uses a 70/30 split.)

DATACOM SYSTEMS INC

Order taps using FTP model numbers

Network TAP and Monitor Ports

FTP-1514: 50/50 split ratio, 50 micron multi-mode fiber
Network TAP ports - Two (2) 25Gb / 40Gb MTP™ / MPO connectors
Monitor Ports - Two (2) 25Gb / 40Gb MTP™ / MPO connectors

FTP-1714: 70/30 split ratio, 50 micron multi-mode fiber
Network TAP ports - Two (2) 25Gb / 40Gb MTP™ / MPO connectors
Monitor Ports - Two (2) 25Gb / 40Gb MTP™ / MPO connectors
with 2 separate MTP output ports

FTP-1516: 50/50 split ratio, 9 micron single mode fiber
Network TAP ports - One (1) pair 40Gb LR4 LC connectors
Monitor Ports - Eight (8) simplex LC connectors

FTP-1716: 70/30 split ratio, 9 micron single mode fiber
Network TAP ports - One (1) pair 40Gb LR4 LC connectors
Monitor Ports - Eight (8) simplex LC connectors

FTP-1518: 50/50 split ratio, 50 micron multi-mode fiber
Network TAP ports - One (1) pair LC connectors
Monitor Ports - Four simplex (4) LC Monitor Connectors

FTP-1718: 70/30 split ratio, 50 micron multi-mode fiber
Network TAP ports - One (1) pair LC connectors
Monitor Ports - Four simplex (4) LC Monitor Connectors

FTP-1534: 50/50 split ratio, 50 micron multi-mode fiber
Network TAP ports - Two (2) 100Gb MTP™ / MPO connectors
Monitor ports - Two (2) 100Gb MTP™ / MPO connectors

FTP-1734: 70/30 split ratio, 50 micron multi-mode fiber
Network TAP ports - Two (2) 100Gb MTP™ / MPO connectors
Monitor ports - Two (2) 100Gb MTP™ / MPO connectors

FTP-1546: 50/50 split ratio, 9 micron single mode fiber
Network TAP ports - Two (2) LC connector pairs
Monitor Ports - Two (2) simplex LC connectors

FTP-1746: 70/30 split ratio, 9 micron single mode fiber
Network TAP ports - Two (2) LC connector pairs
Monitor Ports - Two (2) simplex LC connectors

Certifications
CE, RoHS, CAN ICES-3 (B)/NMB-3(B)

Physical Dimensions (H x W x D)*
1.10 x 8.00 x 7.00 in (2.79 x 20.32 x 17.78 cm)

Weight*
12 oz. (0.34 Kg)

Environment
Operating Temperature: 32º to 104ºF (0° to 40°C)
Storage Temperature: -22º to 149ºF (-30° to 65°C)
Humidity: 5% to 90% non-condensing

Fiber TAP Insertion Loss (approximate - per fiber)
Multimode 50/50 -4.2 dB
Single Mode -3.9 dB
Multi-mode 70/30 -3.0 dB / -6.7dB
Single Mode 70/30 -2.2 dB / -6.3 dB

Warranty
One (1) Year Hardware and Software support included.
Premium Support option available

FTP-1516 and FTP-1716 only

Weight
1.10 lbs (0.49 kg)

Physical Dimensions (H x W x D)
1.13 x 8.75 x 7.75 in. (2.86 x 22.22 x 19.69 cm)

RACK MOUNTS	Descriptions
RMC-3	3-TAP 1U Rack Mount Chassis
RMC-3-12	12-TAP 4U Rack Mount Chassis
RMC-2 *	2-Unit Rack Mount
RMC-12-2 *	12-Unit Rack Mount

****These rack mounts used for FTP-1516 and FTP-1716 only***

© Datacom Systems Inc. 2022-A-rev-02

Find out more at
www.datacomsystems.com

DATACOM SYSTEMS INC