T-30 optical TAP

Technical Data Sheet

Product Description

Microtel Innovation T-30 is the solution for **tapping 10, 25, 40, 100, 200 and 400 Gb/s optical links with MTP/MPO connectors,** both **multimode and single-mode .** By splitting the light optically, it enables passive tapping of full duplex optical links, which avoids any risk for the live network devices to loose the link between one another if power is lost.

T-30 optical TAP **mirrors 100% of network traffic**, including errors, malformed and non-standard packets, so making possible detailed analysis, security and monitoring.

T-30 uses MTP/MPO connectors and is 1/3U high, allowing up to 3x units per 1U space. Key configurations and specifications include:

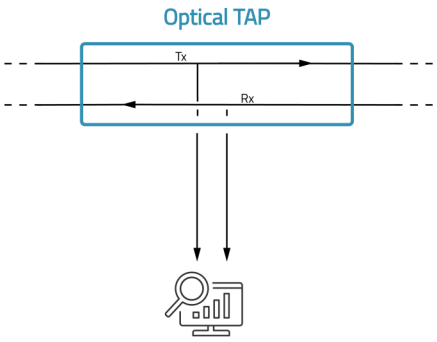
- **T-30 DUAL links device**, to tap 2 optical multimode fiber links, **40, 100 and 200 Gb/s (or tap 8x links at 10 or 25 Gb/s)**
- **T-30 QUAD links device**, to tap 4 optical multimode fiber links, **40, 100 and 200 Gb/s (or tap 16x links at 10 or 25 Gb/s)**
- **T-30 DUAL links device**, to tap 2 optical single-mode fiber links, **40, 100, 200 and 400 Gb/s (or tap 8x links at 10 or 25 Gb/s)**
- **T-30 QUAD links device**, to tap 4 optical single-mode fiber links, **40, 100, 200 and 400 Gb/s (or tap 16x links at 10 or 25 Gb/s)**
- Available split ratio have been decided in order to provide the light margins which is usually necessary to the monitored traffic. They are: 50/50 for multimode links, 50/50 and 60/40 for single-mode links
- T-30 is hosted in an aluminium rack, which ensures a **robust and reliable solution** from a mechanical point of view

Key features

- **Non intrusive monitoring**
- **Highspeed and lossless packet handling**
- **No power and no points of failure**
- **Fiber links at 10, 25, 40, 100, 200 and 400 Gb/s are managed**
- **Two versions available, DUAL and QUAD link splitters, up to 3x T-30 in 1U space**

Highlights

- **Deliver 100% visibility** into network traffic preserving top network performances
- **No network impact:** as fully passive TAP, it does not introduce any point of weakness
- **Forward all full duplex traffic** from all layers, including errors and non-standard network traffic
- **Provide safety from remote attacks,** as does not have an IP address
- **Avoid costly expenses due to** SPAN ports management



T-30 — Technical Specifications

Density	Up to 4 MTP/MPO links optical TAPs in one rack (1/3U high) Up to 3x T-30 in 1U space (12 links TAPs) Two versions are available, with 2 (DUAL) and 4 (QUAD) links optical TAPs
Links	10, 25, 40, 100 and 200 Gb/s multimode and single-mode fiber 400 Gb/s single-mode fiber
Split ratio	10, 25, 40, 100 and 200 Gb/s multimode links: 50/50 10, 25, 40, 100, 200 and 400 Gb/s single-mode links: 50/50 and 60/40
Fiber type	Multimode 50/125 µm (OM4), operating wavelenght: 850–950 nm Single-mode 9/125 µm (OS2), operating wavelenght: 1310nm

T-30 — Ordering Information

T-30-2-JK-A-55/MP	19" (1/3U high) chassis with DUAL links optical TAP 10/25/40/100/200 Gb/s multimode (50/125 µm - OM4), MTP/MPO, split ratio 50/50
T-30-4-JK-A-55/MP	19" (1/3U high) chassis with QUAD links optical TAP 10/25/40/100/200 Gb/s multimode (50/125 µm - OM4), MTP/MPO, split ratio 50/50
T-30-2-K-L-55/MP	19" (1/3U high) chassis with DUAL links optical TAP 10/25/40/100/200/400 Gb/s single-mode (9/125 µm - OS2), MTP/MPO, split ratio 50/50
T-30-4-K-L-55/MP	19" (1/3U high) chassis with QUAD links optical TAP 10/25/40/100/200/400 Gb/s single-mode (9/125 µm - OS2), MTP/MPO, split ratio 50/50
T-30-2-K-L-64/MP	19" (1/3U high) chassis with DUAL links optical TAP 10/25/40/100/200/400 Gb/s single-mode (9/125 µm - OS2), MTP/MPO, split ratio 60/40
T-30-4-K-L-64/MP	19" (1/3U high) chassis with QUAD links optical TAP 10/25/40/100/200/400 Gb/s single-mode (9/125 µm - OS2), MTP/MPO, split ratio 60/40

Operating	Power	Dimensions	Regulatory
• Operating temperature: 0°C to 45°C • Storage temperature: –10°C to 70°C • Relative Humidity: min 10% max 95% non-condensing	• No power needed	• Base unit surface or 19" rack mount • Dimensions (WxDxH): 483mm W, 276mm D, 14,5mm H • Weight (fully equipped): 1,5 Kg (3,3 lbs)	• CE Mark