

# PluriTAP T-20 Optical TAP

Technical Data Sheet

Microtel  
innovation

## Product Description

### T-20 Optical TAP

Microtel T-20 is the solution for **totally non-intrusive optical network tapping**. It combines the advantages of passive tapping, which avoids any risk of introducing points of weakness in the system, with optimal features of robustness and flexibility.

T-20 operates at **100 Mbps and 1/10/25/40/100 Gbps**, using LC connectors. The high density chassis hosts up to 24 singlemode and/or multimode TAP modules, each one tapping one single optical link. T-20 allows to passively monitor full duplex fiber optic links for a combination of multimode and singlemode fibers: **OM1, OM3, OS1, OS2** fibers are supported.

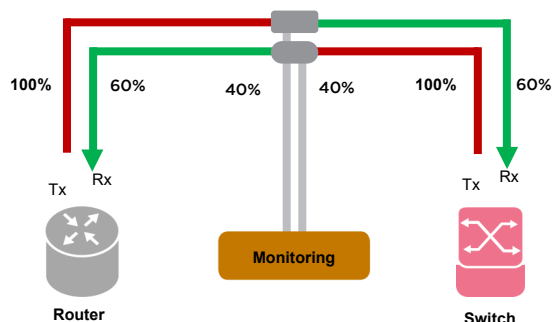
Several split ratios are available: **50/50, 60/40, 70/30, 80/20, 90/10**.

Aluminium rack ensures a **robust and reliable solution** from a mechanical point of view, while strong ergonomic design and a smart locking system guarantee easy insertion and removal of each single module.

T-20 can also be used as optical splitter for SDH-SONET links.

### Key features

- **Non intrusive monitoring**
- **No power and no points of failure**
- **All speeds managed in high density chassis**
- **Both for Ethernet and SDH-SONET links**



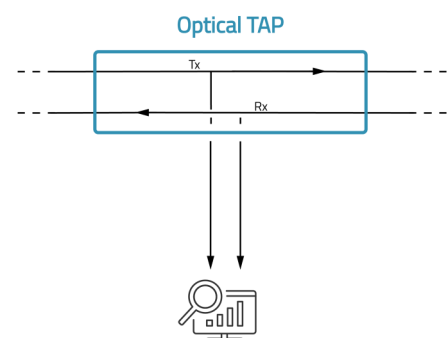
PluriTAP T-20



LC Connectors

### Highlights

- **Deliver 100% visibility** into network traffic preserving top network performances,
- **Support network speeds** from 100Mb/s to 100 Gb/s,
- Available in **singlemode and multimode** fiber types,
- **Forward all full duplex traffic** from all layers including errors,
- **Provide safety from remote attacks** as does not require an IP address,
- **Avoid costly expenses** managing SPAN ports.



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## PluriTAP T-20 — Technical Specifications

|                     |  |
|---------------------|--|
| <b>Density</b>      | up to 24 LC single link TAP  |
| <b>Speed</b>        | 100 Mbps, 1/10/25/40/100 Gbps<br>SDH SONET   |
| <b>Split ratios</b> | 50/50, 60/40, 70/30, 80/20, 90/10  |
| <b>Fiber type</b>   | Singlemode 9/125µm . Operating wavelength: 1310nm and 1550nm<br>Multimode 50/125µm and 62,5/125µm. Operating wavelength: 850nm |

## PluriTAP T-20 — Ordering Information

|                        |  |
|------------------------|--|
| <b>T-20-CH</b>         | 19" chassis up to 24 slots, SM Link speed 1/10/25/40/100 Gbps, MM Link speed 1/10 Gbps, LC connector |
| <b>T-20-GH-L-zz/LC</b> | Single link 1/10/25/40/100 Gbps , Single-Mode (9/125 µm), LC, select split ratio option "zz" (*)     |
| <b>T-20-GH-F-zz/LC</b> | Single link 1/10 Gbps Multi-Mode (50/125 µm), LC, select split ratio option "zz" (**)                |
| <b>T-20-GH-S-zz/LC</b> | Single link 1/10 Gbps, Multi-Mode (62,5/125 µm), LC, select split ratio option "zz" (**)             |

(\*) In case of 25/40/100 Gbps links, options "zz"=82 and "zz"=91 **cannot be used**

(\*\*) We recommend **not to use** 70/30 split ratio for 10Gbps multimode links as the optical power margins are too low for the monitoring traffic.

| "zz" option | Split ratio | % Network | % Monitor |
|-------------|-------------|-----------|-----------|
| <b>55</b>   | 50/50       | 50        | 50        |
| <b>64</b>   | 60/40       | 60        | 40        |
| <b>73</b>   | 70/30       | 70        | 30        |
| <b>82</b>   | 80/20       | 80        | 20        |
| <b>91</b>   | 90/10       | 90        | 10        |

| Operating   | Power   | Dimensions   | Regulatory  |
|---|---|--|---|
| <ul style="list-style-type: none"> <li>Operating temperature: 0°C to 45°C</li> <li>Storage temperature: -10°C to 70°C</li> <li>Relative Humidity: min 10% max 95% non-condensing</li> </ul> | <ul style="list-style-type: none"> <li>No power needed</li> </ul> | <ul style="list-style-type: none"> <li>Base unit surface or 19" rack mount</li> <li>Dimensions (WxDxH): 483 mm W, 227 mm D, 44 mm H</li> <li>Weight (fully equipped) 3.5 Kg (7 lbs)</li> </ul> | <ul style="list-style-type: none"> <li>ROHS 2</li> <li>CE Mark (2011/65/EU - RoHS Directive)</li> </ul> |