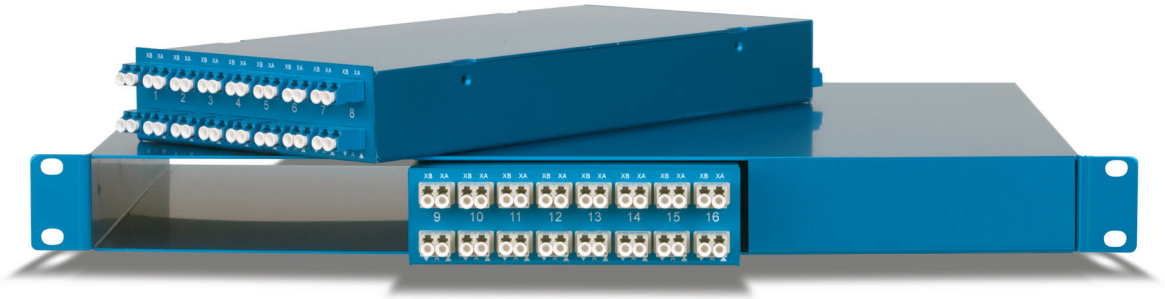
LAMBDATAP™

Test Access Points

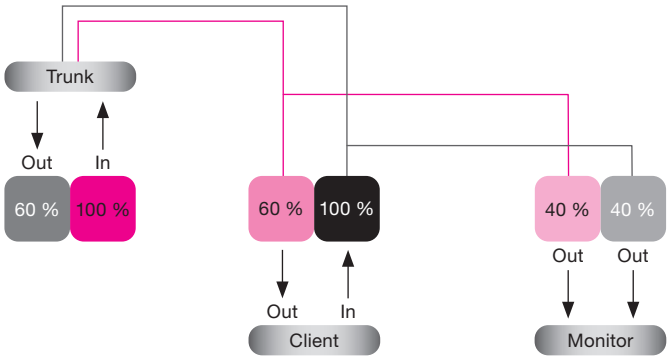


Networks interconnect cities, provide people with information and link computers with mass storage systems. Networks are vital today, and they are growing more and more complex. Since they are vital and complex they need to be continuously monitored. In case of a fault, at the latest, technicians need to have access to the full range of information, without any loss, in real time. In fiber links, optical splitters are used to split light and thus data into a working and a monitor part. The monitor light is branched from the signal light. Two splitters are therefore required for bidirectional monitoring (upstream/downstream). High port density and robust handling are essential features as well, particularly in data center applications.

Lambdatap – ISMM

In-Service Monitoring Modules enable a passive test approach to optical networks like LAN, MAN, WAN or SAN. By splitting the light from a fiber link, the entire data stream can be monitored and analyzed down to the very last bit – in both directions!

The passive component design eliminates the risk of the data stream being affected by analyzers or probes placed at the output of a duplex coupler. Even in case of a test unit failure, this does not impair data transmission. The utilization of In-Service Monitoring Modules, however, supports a wide range of tests.
As measuring tools, they are part of the TAP product group (Test Access Points), which act as a physical optical test interface for use in conjunction with analyzers and probes or topologies. The In-Service Monitoring Module operates independently from the transfer protocols and topologies used.



Applications

In-Service Monitoring Modules should be installed in every optical link – they are indispensable, however, for storage links in Storage Area Networks (SAN), for mission critical optical links, e. g. Inter-Switch Links (ISL), uplinks, etc.

For in-depth fault analysis, In-Service Monitoring Modules enable a direct access to the data link – bidirectionally, in real time and uncorrupted.

In combination with intrusion detection systems (IDS), the split data streams can be analyzed and tested for viruses, Trojan Horses and intruders.

Up to three cassettes can be mounted into a 19 inch rack, each fitted with 8 bidirectional ports (optionally SM or MM).

Specifications

Lambdatap ISMM-8-MM (split ratio 40/60)

- Wavelength: 850 nm
  max. insertion loss with connector: 5.2 / 3.3 dB

Lambdatap ISMM-8-SM (split ratio 40/60)

- Wavelength: 1310/1550 nm
- Bandwidth: ± 40 nm
  max. insertion loss with connector: 5.0 / 3.0 dB
- PDL: ≤ 0.15 dB
- Return loss: ≥ 50 dB

Special Notice

- Other split ratios are available on request
  (e.g. 5/95, 20/80, etc.)

Ordering Information

Lambdatap ISMM-19"	19" rack mountable chassis for integration of max. 3 Lambdatap ISMM-8-MM or Lambdatap ISMM-8-SM, 1RU, order couplers separately.
Lambdatap ISMM-8-MM	MM (50µ) FO coupler for Lambdatap ISMM-19", 8 channels, split ratio 40/60, trunk connectors on rear side, LC connectors horizontal.
Lambdatap ISMM-8-SM	SM (9µ) FO coupler for Lambdatap ISMM-19", 8 channels, split ratio 40/60, trunk connectors on rear side, LC connectors horizontal.

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