

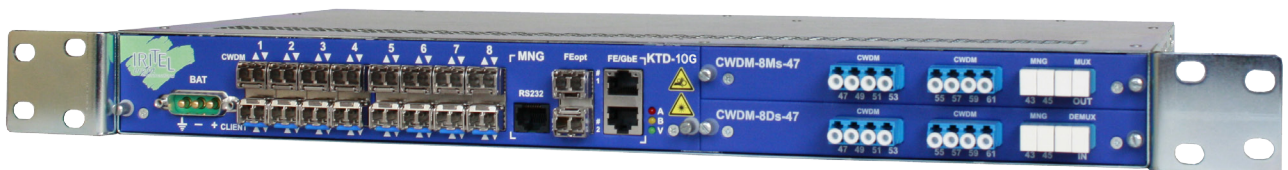


CWDM-10G

CWDM Optical Platform up to 16 wavelengths and up to 10 Gb/s

CWDM Optical Platform

- Multiservice optical transport platform
- Transport of user traffic from 125 Mb/s up to 10.5 Gb/s
- Client interfaces conversion to CWDM wavelength
- Multiplexing up to 16 CWDM wavelengths
- CWDM filters with nine wavelengths (8+1) and upgrade port
- Two additional CWDM management channels
- Application in point-to-point and linear add/drop networks
- EMS/NMS Software SUNCE + (SUNCE-O)
- Web Interface for local management
- Compact 1U solution for ETSI and 19 " cabinets
- Supported Ethernet, IP / MPLS, OTN, SDH, FC, CPRI and other types of traffic



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DESCRIPTION

The CWDM-10G platform enables simultaneous and independent transmission of multiple client signals by conversion to CWDM wavelengths and their multiplexing. Depending on configuration, system allows transmission of up to 16 user signals over the same number of CWDM wavelengths. Wavelengths from 1471 nm to 1611 nm are used in 8 wavelengths configuration. Wavelengths from 1471 nm to 1611 nm and from 1271 nm to 1411 nm are used in 16 wavelengths configuration. Platform allows use of two additional management channels on 1431 nm and 1451 nm. CWDM wavelength conversion is performed by KTD-10G unit which contains 8 independent transponders. The device is configured and monitored by EMS/NMS Software SUNCE + (SUNCE-O) or Web Interface.

UNITS

- **KTD-10G**
 - Wavelength converter
 - 8 pairs of SFP+ interfaces (8 transponders)
 - Range from 125 Mb/s up to 10.5 Gb/s per each interface
 - Ethernet and RS232 for local access
 - Two SFP+ optical Ethernet ports for monitoring of remote devices
- **CWDM-8Ms-47**
 - Passive optical multiplexer nine CWDM wavelengths
 - Upgrade port for capacity expansion of up to 16 wavelengths using an additional **CWDM-8Ms-27** unit with different channel range
- **CWDM-8Ds-47**
 - Passive optical demultiplexer nine CWDM wavelengths
 - Upgrade port for capacity expansion of up to 16 wavelengths using an additional **CWDM-8Ds-27** unit with different channel range
- **OADM-2s-47/49 and OADM-2-51/53**
 - Passive optical filter for adding and dropping three CWDM wavelengths

MANAGEMENT

- EMS/NMS software SUNCE + (SUNCE-O) provides centralized management of CWDM-10G system. Fault, alarms, configuration and security management. Communication between EMS/NMS software and devices is realized by SNMP protocol.
- Web Interface for local management

APPLICATIONS

- Traffic grooming and aggregation of multiple independent user traffic interfaces through a single pair of optical fibers
- Range up to 80 km

TECHNICAL DATA

- Compact 1U solution for ETSI and 19" cabinets
- Simple installation and commissioning of the device
- Operating temperature range -40 °C to +85 °C
- All client interfaces, management interfaces and power supply connections are realized on the front panel
- Power supply
 - -48 VDC
 - Power supply range is -40.5 V to -72 V
- Power consumption up to 42 W depending on the number of active transponders
- Weight up to 4 kg depends on charged