WAVELENGTH CONVERSION

Optical supervisory-channel wavelength converters

Bidirectional conversion between a client supervisory channel and a long-link optical channel.

Applications to discuss: Long-span supervisory links; Optical-network monitoring.

Selection points
155 Mb/s STM-1 / 1510 nm client channel / 1565.5 nm listed line channel

Configuration options

Configuration	Data rate	Line input/output wavelength	Client input/output wavelength
STM-1 supervisory converter	155 Mb/s STM-1	1565.5 nm	1510 nm

Each row is a separate configuration. Limits from different rows must not be combined.

Technical details

Parameter	Specification or condition
Line receiver sensitivity at BER 1e-10	-49 dBm
Optical connectors	LC/PC

Integration and delivery

Item	Configuration detail
Format	1U network unit
Adjustment	External variable-attenuator access for line-channel power adjustment
Management	Web interface, command interface and SNMP

Conditions and configuration notes

- Other line wavelengths require configuration review.
- The line sensitivity is -49 dBm at BER 1e-10; confirm the full optical budget and filter conditions.