WAVELENGTH CONVERSION

Integrated optical link terminal systems

Compact terminal systems combining conversion, amplification and optional dispersion management.

Applications to discuss: Optical network integration; Fibre-link engineering.

Selection points
155 Mb/s to 10 Gb/s terminal classes / 59-69 dB listed optical budgets / 1U multi-function format

Configuration options

Configuration	Listed optical link budget
STM-1 terminal	69 dB
STM-4 terminal	65 dB
STM-16 terminal	59 dB
1 GbE terminal	63 dB
STM-64/10 GbE terminal	59 dB

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

Technical details

Parameter	Specification or condition
Line output wavelength	1552.52 nm
Client input wavelength	1270-1600 nm
Client output wavelength	1310 nm
Optical connectors	LC/PC

Integration and delivery

Item	Configuration detail
Functions	Wavelength conversion, optical amplification and configuration-dependent dispersion compensation
Management	Web interface, command interface and SNMP

Conditions and configuration notes

• A value in dBm describes optical power; a value in dB describes gain, loss or an optical budget. A link budget is not a distance in kilometres.

• Performance depends on channel loading, fibre losses and the selected operating point; family limits do not automatically apply together.

• Bit-error ratio, span fibre, dispersion and receiver conditions must be agreed before assigning a transmission distance.