



Outdoor CATV optical receiver equipped with OLC 1200...1600 nm

Highly configurable optical receiver for cable operators. Receives one optical signal in the 1200 nm-1600 nm range and restores it on up to 2 RF outputs (40 MHz-1006 MHz) with amplification. Equipped with OLC technology.

The aluminium frame enables outdoor installation (local power supply).

Perfect for RF Overlay, FTTB, and FTTC applications.

Ref.	231220
Logical ref.	ONWW
EAN13	8424450182840

Other features

Plug type	EU plug
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Packaging info

Box	1 pcs.
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Physical data

Net weight	1,650.00 g
Gross weight	1,650.00 g
Width	240.00 mm
Height	195.00 mm
Depth	90.00 mm
Main product weight	1,645.00 g

Highlights

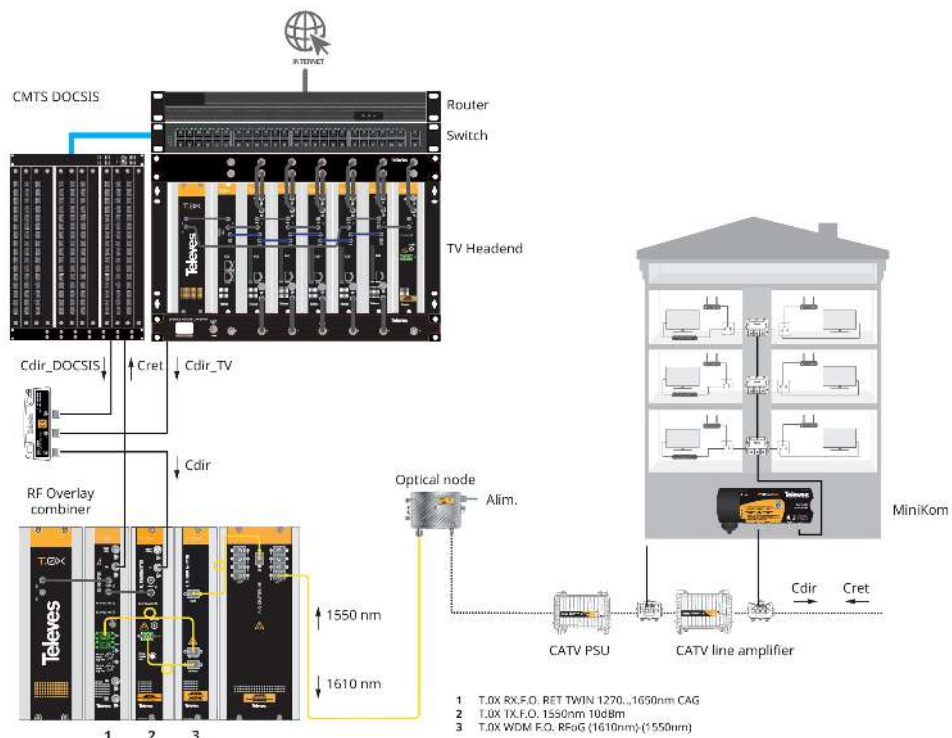
- The OLC (Optical Level Control) technology automatically adjusts the parameters to achieve a constant output level, irrespective of the channel load

- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption

Main features

- 1 or 2 selectable outputs
- The test point avoids user service outage during maintenance
- The F connectors can be replaced with 1/2"-cable adapters (ref.4121)
- Local powering
- SC/APC optical connectors, and F-type connectors for RF
- Outdoor installation (IP65)

Application example



Technical specifications

Forward Channel		
Frequency range	MHz	47 ... 1006
Output impedance	Ohm	75
Optical input level for OLC	dBm	-8 ... +1dBm
Flatness	dB	± 0.75
Number of outputs (internally selectable)	no.	1 / 2
Typical output level in OLC range, port 1	dBμV	113
CNR	dB	>52
CSO	dB	>60
CTB	dB	>60
Input attenuattor	dB	4/6 select.
Inter stage attenuator	dB	1/2/3/4/5/6/7/8 select.
Output level slope	dB	4/9 select.
Wavelength	nm	1200 - 1600
Optical return loss	dB	>40
Optical connector	type	SC/APC
Max optical input power before damage	dBm	6
Optical device	type	InGaAs pin photodiode
General		
Local Mains voltage	V~	99 ... 253
Remote Mains voltage	V~	--
Mains frequency range	Hz	50...60
Max. power consumption with local or remote mains	W	16.5
Max. current consumption with local mains	mA	300
Local mains cord	type	PG-7
Remote mains	type	---
Test point, inside	dB	-30
RF connectors	type	5/8
Optical fiber input	type	PG-13,5
Housing material		Aluminium
Operating temperature	°C	-5 45
Index operation	IP	65