



FiberKom optical mini-receiver equipped with OLC technology 1200...1600 nm

Optical mini-receiver for small MDU (Multi Dwelling Unit); receives one optical signal in the 1200 nm-1600 nm range and restores it on one RF output (47 MHz-1220 MHz) with amplification. Equipped with OLC technology. Perfect for RF Overlay, FTTB, and FTTH applications.

Ref.	238101
Logical ref.	OME1216
EAN13	8424450179611

Other features

Powering method	Remote powering (F connector)
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Packaging info

Box	1 pcs.
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Physical data

Net weight	412.00 g
Gross volume	0.90 dm ³
Gross weight	412.00 g
Width	187.00 mm
Height	89.00 mm
Depth	34.00 mm
Main product weight	412.00 g

Highlights

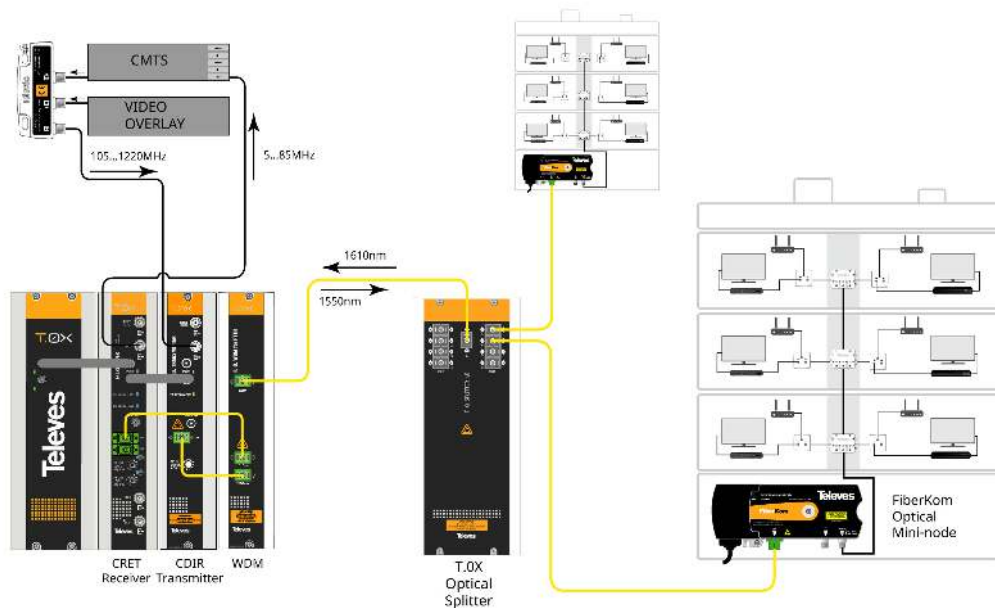
- The OLC (Optical Level Control) technology automatically adjusts the parameters to achieve a

constant output level, irrespective of the channel load

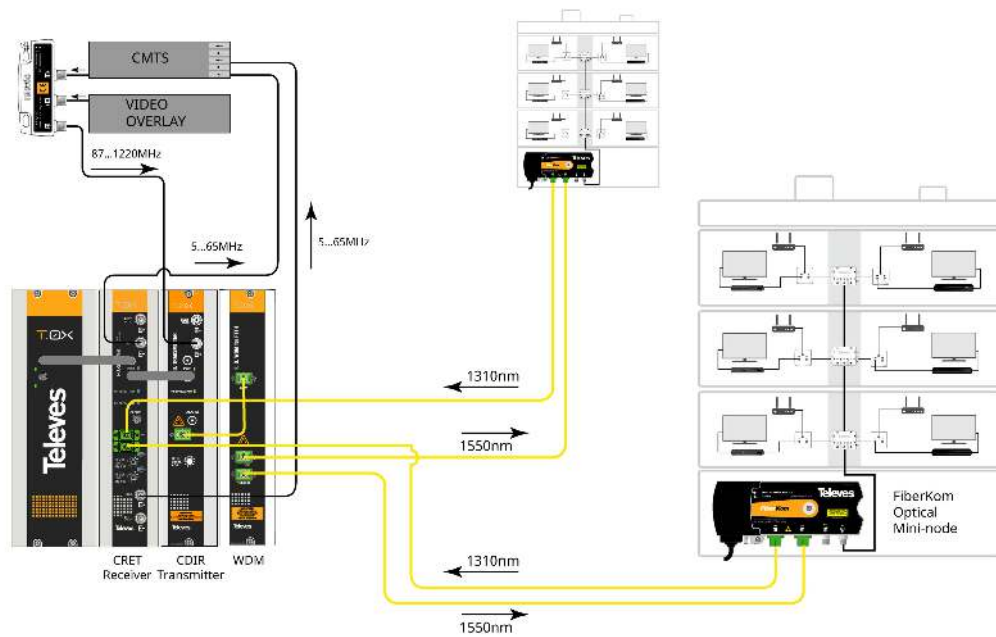
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption
- SC/APC optical connectors, and F-type connectors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

Application example

FTTB application with a single fibre.



FTTB application with two fibres.



Technical specifications : Ref. 238101

Number of outputs		1
Inputs/Bands		TERR
Output frequency range	MHz	47 ... 1220
Output level	dBmV	40
Flatness	dB	-1 ... 1
Test point	dB	-30
Gain adjustment range	dB	0 ... 18
Selectable pre-emphasis		3 dB / 7 dB / 9 dB
Input wavelength	nm	1200 ... 1600
Optical input power	dBm	-10 ... -1
Max. optical power	dBm	2
Optical return losses	dB	> 40
Optical receiving device		InGaAs PIN photodiode
C/N	dB	> 51
CSO	dB	> 60
CTB	dB	> 60
Equivalent noise current density at input	pA/v/Hz	< 6
Optical connectors		SC/APC
RF connectors		"F" female
Impedance	Ω	75
Input voltage	Vdc	11 ... 35
Max. current	mA	305
Powering RF	Vdc	11 ... 35
Max current RF	mA	305
Operating temperature	°F	23 ... 113
Protection index (IP)		30

Measure made with a transmitter 233306. The RF input level into the transmitter was 81dBµV/21dBmV. 42 ch CENELEC