



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.	238079
Logical ref.	OME1216E
EAN13	8424450183083

Other features

Powering method	Local powering
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Packaging info

Box	1 pcs.
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Physical data

Net weight	500.00 g
Gross weight	500.00 g
Width	187.00 mm
Height	89.00 mm
Depth	34.00 mm
Main product weight	500.00 g

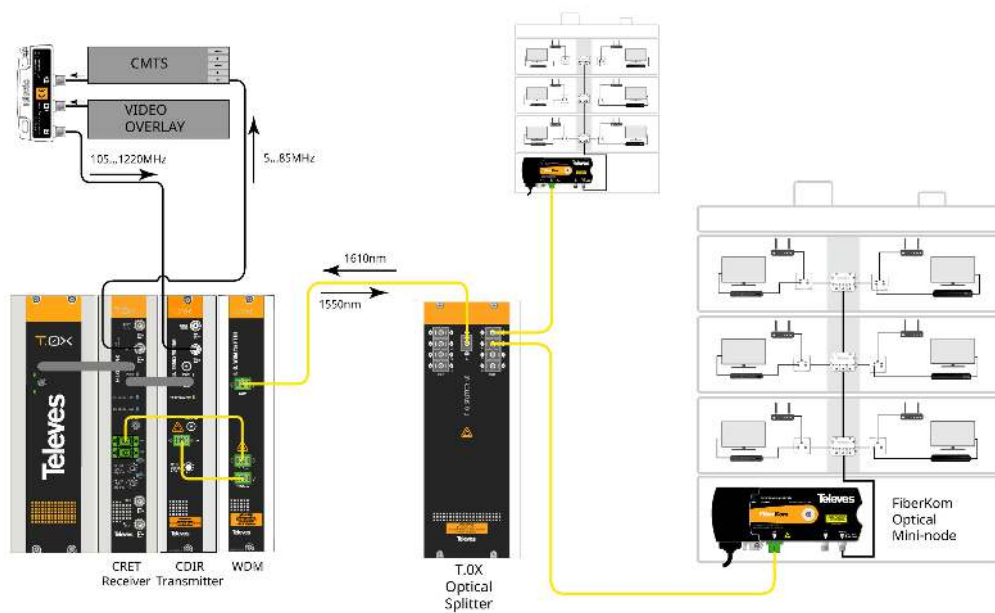
Highlights

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

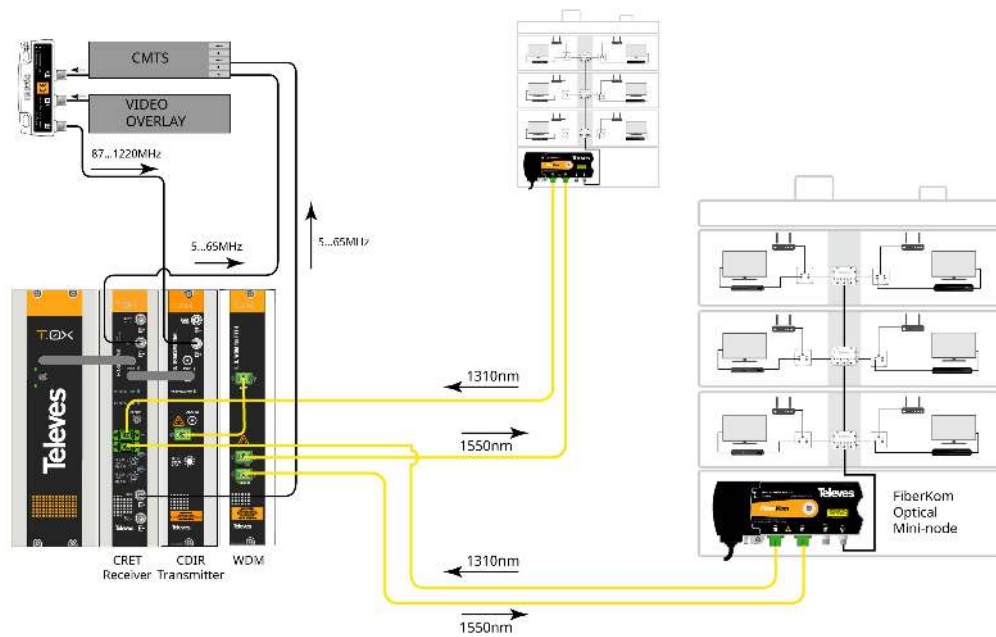
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption
- SC/APC optical connectors, and F-type connectors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

Application example

FTTB application with a single fibre.



FTTB application with two fibres.



Technical specifications : Ref. 238079

Number of outputs		1
Frequency range	MHz	47 ... 1220
Output level	dBµV	100
Flatness	dB	-1 ... 1
Test point	dB	-30
Gain adjustment range	dB	0 ... 18
Selectable pre-emphasis		0 dB / 4 dB / 7 dB
Input wavelength	nm	1200 ... 1600
Optical input level	dBm	-10 ... -1
Optical input power Max	dBm	2
Optical return losses	dB	> 40
Optical device		InGaAs pin photodiode
C/N	dB	> 51
CSO	dB	> 60
CTB	dB	> 60
Equivalent noise current density at input	pA/√Hz	< 6
Output impedance	Ω	75
Input voltage	Vac	110 ... 230
Mains frequency		50 Hz / 60 Hz
Max. current	mA	85
Powering RF	Vdc	11 ... 35
Max current RF	mA	305
Max. power	W	4.5
RF connectors		"F" female
Optical connectors		SC/APC
Operating temperature	°C	-5 ... 45
Protection index (IP)		30

Measure made with a transmitter 233306. The RF input level into the transmitter was 81 dBµV. 42 ch CENELEC. Gain control in 2 dB steps.