



## 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.

<b>Ref.</b>	238101
<b>Logical ref.</b>	OME1216
<b>EAN13</b>	8424450179611

### Other features

<b>Powering method</b>	Remote powering (F connector)
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### Packaging info

<b>Box</b>	1 pcs.
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### Physical data

<b>Net weight</b>	412.00 g
<b>Gross weight</b>	412.00 g
<b>Width</b>	187.00 mm
<b>Height</b>	89.00 mm
<b>Depth</b>	34.00 mm
<b>Main product weight</b>	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

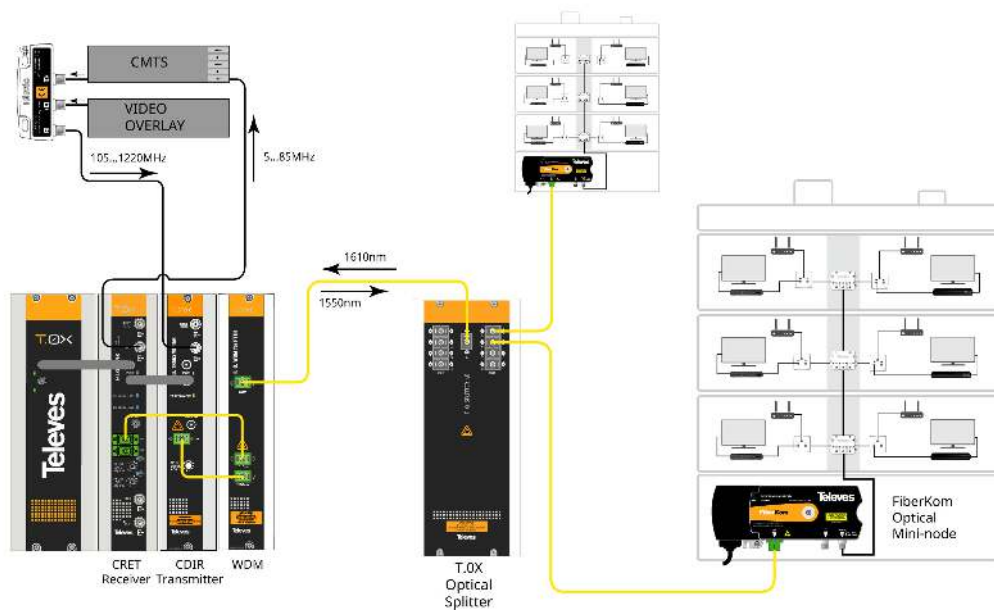
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption

## Main features

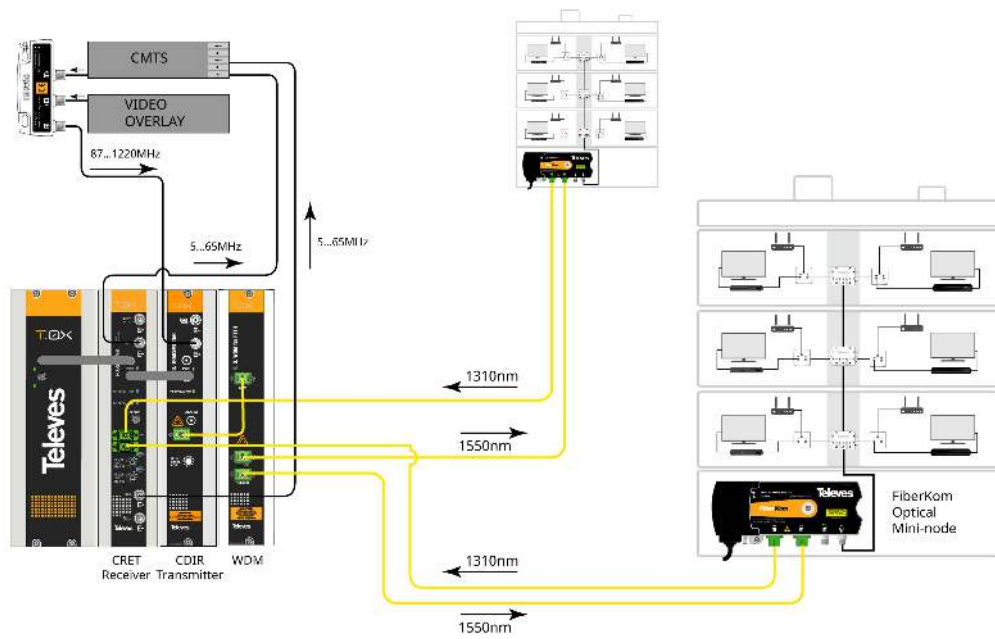
- SC/APC optical connectors, and F-type connectors for RF

## Application example

FTTB application with a single fibre.



FTTB application with two fibres.



## Technical specifications : Ref. 238101

Number of outputs		1
Frequency range	MHz	47 ... 1218
Output level	dB $\mu$ V	100
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 level	dBm	-8 ... 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 $\sqrt$ /Hz	< 6
Output impedance	$\Omega$	75
Input voltage	Vac	11 ... 35
Max. current	mA	340
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 81dB $\mu$ V/21dBmV. 42 ch CENELEC. Gain control in 2 dB steps.