



## 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) |
|------------------------|-------------------------------|

### Packaging info

|            |        |
|------------|--------|
| <b>Box</b> | 1 pcs. |
|------------|--------|

### Physical data

|                            |                      |
|----------------------------|----------------------|
| <b>Net weight</b>          | 412.00 g             |
| <b>Gross volume</b>        | 0.90 dm <sup>3</sup> |
| <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

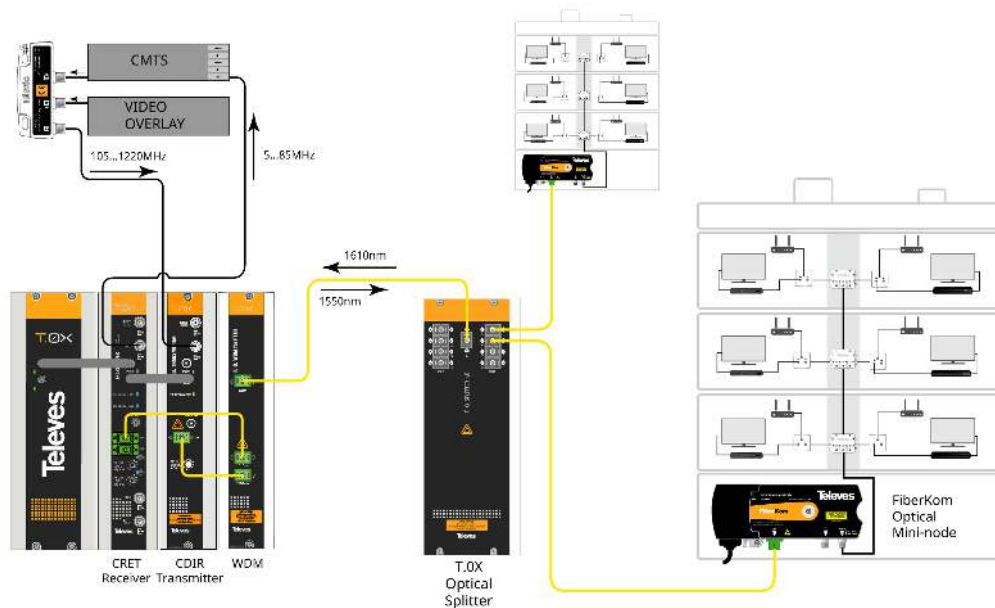
- The OLC (Optical Level Control) technology automatically adjusts the parameters to achieve a

constant output level, irrespective of the channel load

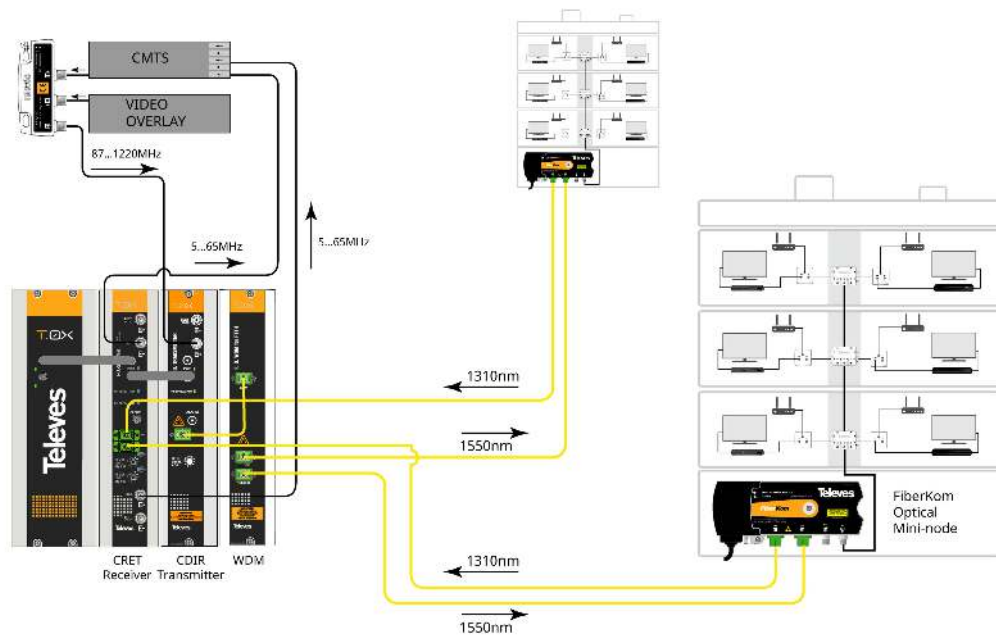
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption
- SC/APC optical connectors, and F-type connectors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

## Application example

FTTB application with a single fibre.



FTTB application with two fibres.



## Technical specifications : Ref. 238101

|                                           |         |                       |
|-------------------------------------------|---------|-----------------------|
| Number of outputs                         |         | 1                     |
| Inputs                                    |         | 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                    |
| Max. current                              | mA      | 305                   |
| Powering                                  | Vdc     | 11 ... 35             |
| 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