



## 1-output EDFA optical amplifier 1550 nm, Po 20 dBm

The module amplifies the 1550 nm optical signal producing an optical output power of 20 dBm. Based on EDFA (erbium doped fiber) technology, it provides a high gain and a low noise factor.

|                     |               |
|---------------------|---------------|
| <b>Ref.</b>         | 234220        |
| <b>Logical ref.</b> | UOVS201550    |
| <b>EAN13</b>        | 8424450154984 |

### Packaging info

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

### Physical data

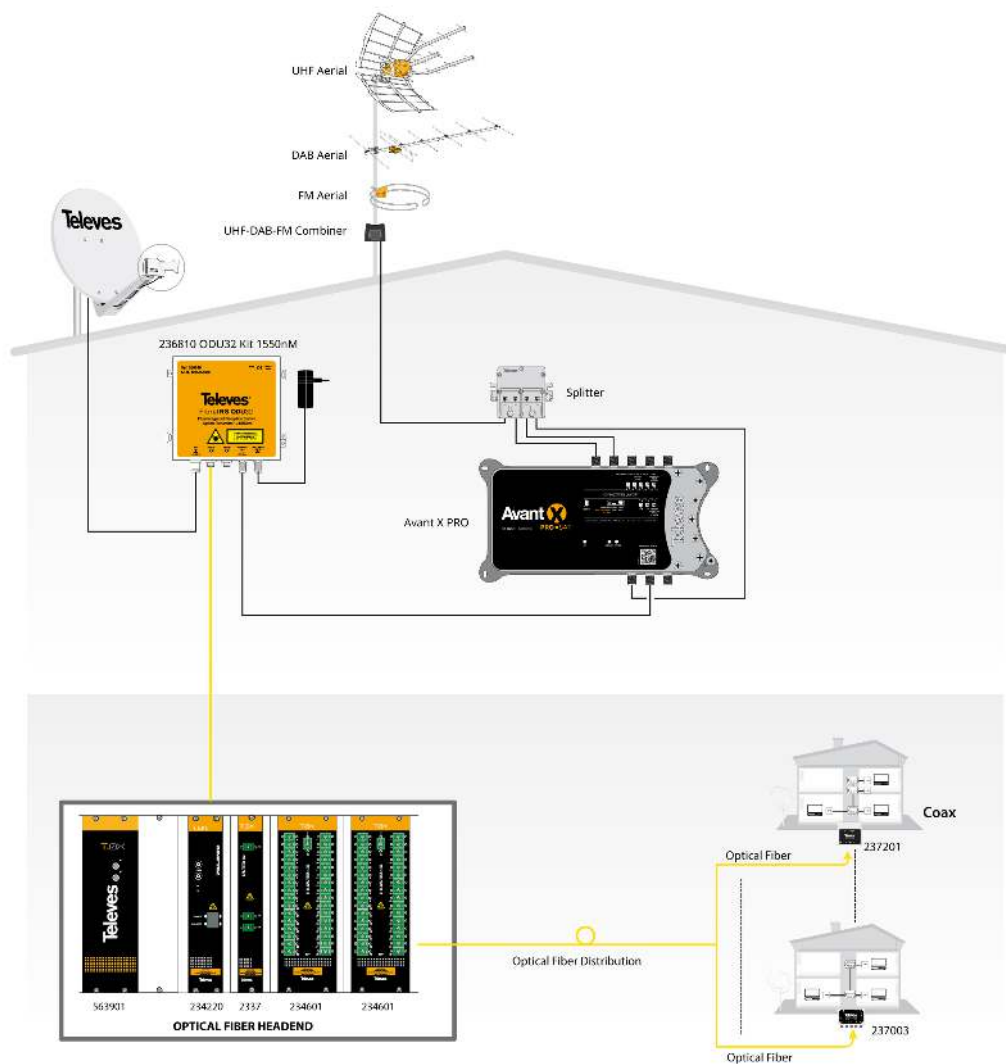
|                            |                      |
|----------------------------|----------------------|
| <b>Net weight</b>          | 1,602.00 g           |
| <b>Gross volume</b>        | 5.30 dm <sup>3</sup> |
| <b>Gross weight</b>        | 1,602.00 g           |
| <b>Width</b>               | 69.00 mm             |
| <b>Height</b>              | 219.00 mm            |
| <b>Depth</b>               | 183.00 mm            |
| <b>Main product weight</b> | 1,594.00 g           |

### Highlights

- -10 dBm to +10 dBm input range
- Status LED indicators
- Optical amplification for the RF service over fiber (RF Overlay)
- Suitable for long distances

- SC/APC connectors

## Application example



## Technical specifications : Ref. 234220

|                                          |     |               |
|------------------------------------------|-----|---------------|
| Number of input optical ports RF Overlay |     | 1             |
| Number of output optical ports           |     | 1             |
| Wavelength (@RF Overlay)                 | nm  | 1530 ... 1565 |
| Optical input power RF Overlay           | dBm | -10 ... 10    |
| Optical output power RF Overlay          | dBm | 20            |
| Noise figure                             | dB  | < 5           |
| Optical return losses                    | dB  | > 40          |
| C/N                                      | dB  | > 51          |
| CSO                                      | dB  | > 65          |
| CTB                                      | dB  | > 65          |
| Optical connectors                       |     | SC/APC        |
| Protection index (IP)                    |     | 20            |
| Operating temperature                    | °F  | 23 ... 113    |
| PSU input voltage                        | Vdc | < 24          |
| Max. current                             | mA  | 250           |
| Max. power                               | W   | 6             |