



Televes reserves the right to modify the product

8-output EDFA optical amplifier with WDM, 1RU rack 19"

1550 nm, Po 10 dBm

This device consists of an amplifier, a WDM, and a double power supply. It amplifies the 1550 nm optical signal producing an optical output power of 10 dBm. Based on EDFA (Erbium doped fiber) technology, it provides a high gain and a low noise factor. Equipped with WDM, it includes eight 1310 nm/1490 nm-inputs that multiplex the amplified 1550 nm-signal, providing eight 1310 nm/1490 nm/1550 nm-outputs, making it suitable for video overlay distribution in medium size splitting GPON optical networks.

Ref.769632

| | |
|---------------|---------------|
| Art.Nr | OV1U10WDMS8 |
| EAN13 | 8424450224175 |

Highlights

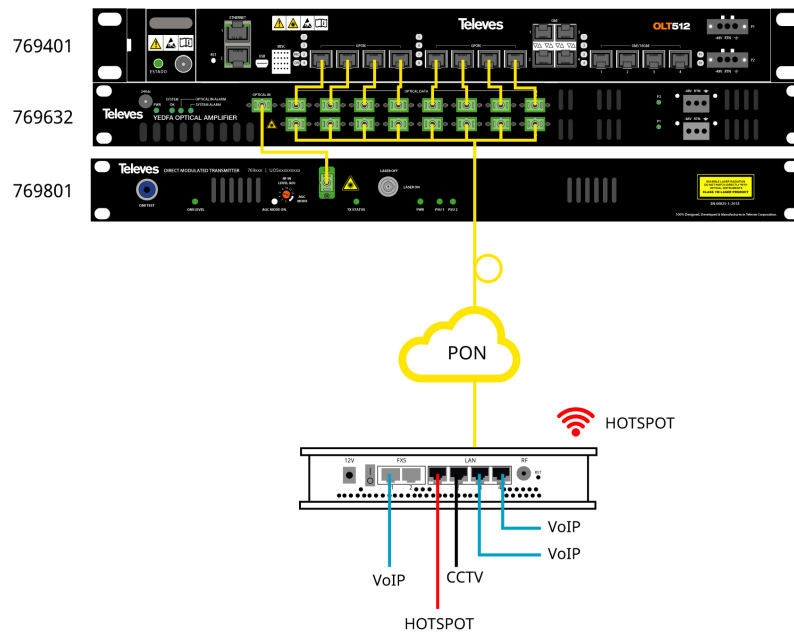
- High-optical output power amplifier
- Equipped with WDM for the multiplexing of RF Overlay with GPON signals
- -10 dBm to +10 dBm input range
- Status LED indicators
- High-efficiency power supply
- Hot swappable double power supply: subscriber service is not interrupted

Main features

- 1RU for rack 19"
- Extended range (99-253 VAC) power supply
- Suitable for medium/large size optical networks
- SC/APC optical connectors

Application example

(Click to see the picture)



Technical specifications

| | | | |
|---------------------------------|----------------------------------|-----|--|
| OPTICAL | Número de puertos | | 1 RF Overlay @Optical IN 8 GPON @Optical DATA 8 (GPON+RF Overlay) @Optical OUT |
| | Longitud de onda | nm | 1310±20 @ Upstream 1490±20 @ Downstream 1530...1565 @RF Overlay |
| | Input RF Overlay | dBm | -10...+10 |
| | Output power RF Overlay | dB | 8 x 10 |
| | Noise figure | dB | 5 |
| | Insertion loss (1310nm & 1490nm) | dB | <1 |
| | Return loss | dB | >40 |
| | C/N / CSO / CTB | dB | 51 / >65 / >65 |
| Input/output optical connectors | | | SC/APC |
| PSU | Mains voltage | VAC | 99-253 |
| | Mains frequency | Hz | 50-60 |
| | Max. input consumption | mA | 110 |
| | Maximum input power | W | 5.5 |
| GENERAL | Operating temperature | °C | -5...+45 |
| | Protection index | IP | 20 |