![Televes]

Televes reserves the right to modify the product

1-output EDFA optical amplifier with WDM, 1RU rack 19" 1550 nm, Po 20 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 20 dBm. Based on EDFA (Erbium doped fiber) technology, it provides a high gain, a higher optical power and a low noise factor.
Equipped with WDM, it includes one 1310 nm/1490 nm-input that multiplexes the amplified 1550 nm-signal, providing one 1310 nm/1490 nm/1550 nm-output, making it suitable for video overlay distribution in medium size splitting GPON optical networks.

| Ref.769630		
Art.Nr		OV1U20WDMA1
EAN13		8424450224151

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

769401

769630

769801

PON

HOTSPOT

VoIP

VoIP

VoIP

CCTV

HOTSPOT
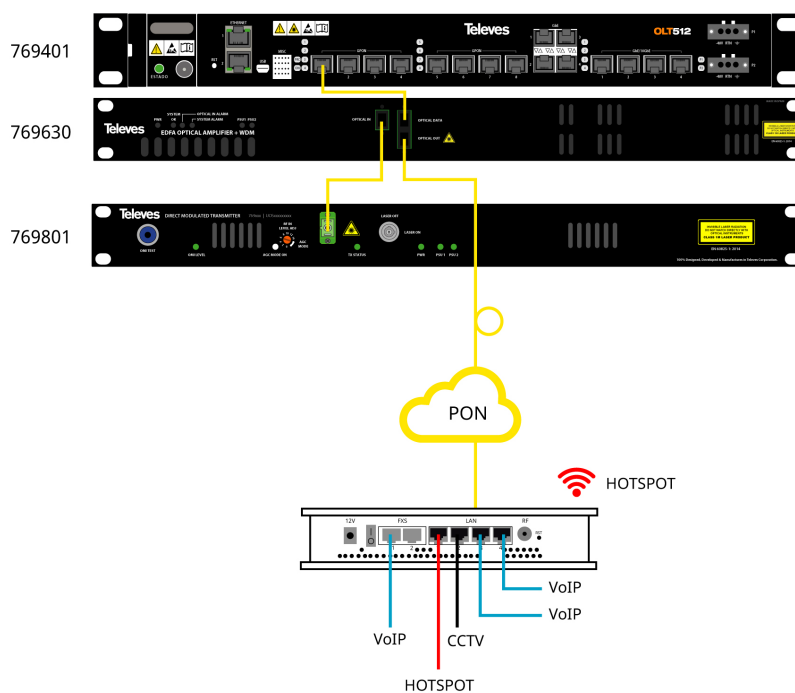
Technical specifications

Number of input optical ports RF Overlay		1
Number of optical ports DATA (GPON)		1
Number of output optical ports		1
Wavelength (@RF Overlay)	nm	1540 ... 1560
GPON Wavelength (@Upstream)	nm	1310
GPON Wavelength (@Downstream)	nm	1490
Optical input power RF Overlay Min	dBm	-10
Optical input power RF Overlay Max	dBm	10
Optical output power RF Overlay	dBm	20
Noise figure Max	dB	5.5
Optical return losses	dB	-40
GPON Insertion losses Max	dB	1
C/N	dB	51
CSO Max	dB	-65
CTB Max	dB	-65
Optical connectors		SC/APC
Protection index (IP)		20
Operating temperature	°C	-5 ... 45
Mains frequency		50 Hz / 60 Hz
PSU input voltage	Vac	110 ... 230
Max PSU current input	mA	110
PSU input power Max	W	5.5

* Measurements made with: external modulator transmitter, 40km fiber, optical input power to the receiver of -0.6dBm