



8-output YEDFA optical amplifier with WDM, 1RU rack 19", 1550 nm, Po 17dBm

Optical device that consists of an amplifier and multiplexer (WDM). It amplifies the 1550 nm optical signal, producing an optical output power of 17 dBm.

It features eight 1310/1490 nm inputs that multiplex the amplified 1550 nm signal, providing eight 1310/1490/1550 nm outputs, making it suitable for video overlay distribution in large size splitting GPON optical networks. At the same time, it includes two Hot-swappable power supplies. Based on YEDFA (Erbium and ytterbium doped fiber) technology, it provides a high gain, a higher optical power and a low noise factor.

Ref.	769616
Logical ref.	OV1U17WDMA8
EAN13	8424450284001

Packing

Box	1 pcs.
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Physical data

Net weight	4,158.00 g
Gross weight	5,442.00 g
Width	482.00 mm
Height	46.00 mm
Depth	380.00 mm
Main product weight	4,158.00 g

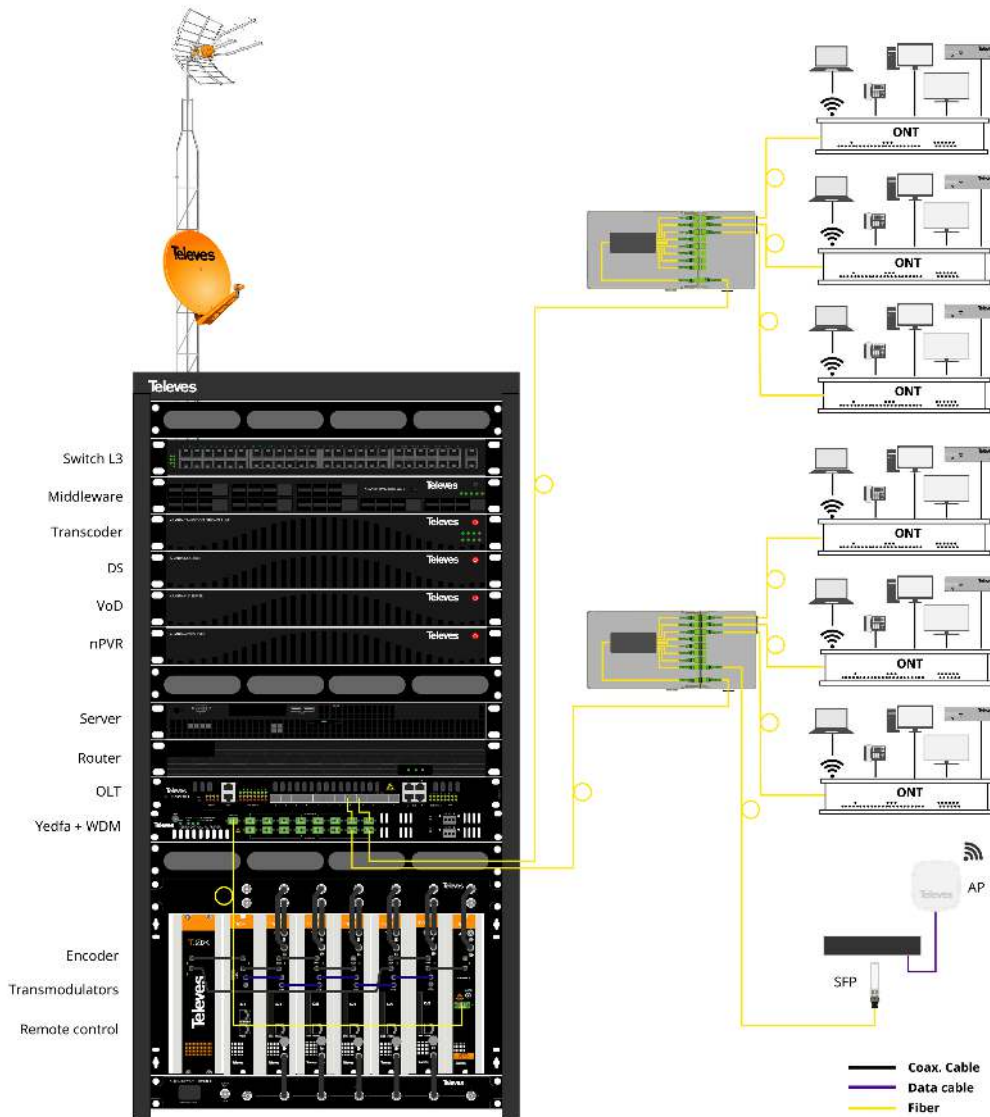
Highlights

- 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
- Hot-swappable double power supply: subscriber service is not interrupted
- Compatible with OLT512EVO (ref. 769403)

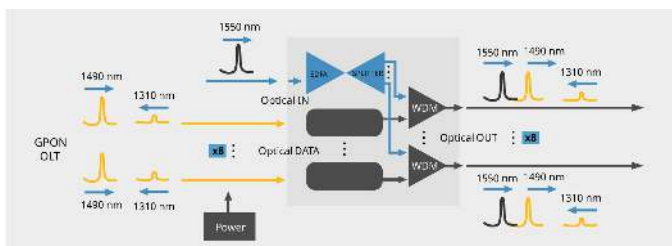
Main features

- 1RU for rack 19"
- Suitable for medium/large size optical networks
- SC/APC optical connectors

Application example



Graphic documentation



Block diagram

Technical specifications : Ref. 769616

Number of input optical ports RF Overlay		1
Number of optical ports DATA (GPON)		8
Number of output optical ports		8
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	17
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	350
PSU input power Max	W	20.5

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