



8-output YEDFA optical amplifier with WDM, 1RU rack 19", 1550 nm, Po 20dBm

Optical device that consists of an amplifier and multiplexer (WDM). It amplifies the 1550 nm optical signal producing an optical output power of 20 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.	769615
Logical ref.	OV1U20WDMA8
EAN13	8424450283998

Packaging info

Box	1 pcs.
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Physical data

Net weight	4,158.00 g
Gross volume	29.30 dm ³
Gross weight	5,442.00 g
Width	482.00 mm
Height	46.00 mm
Depth	380.00 mm

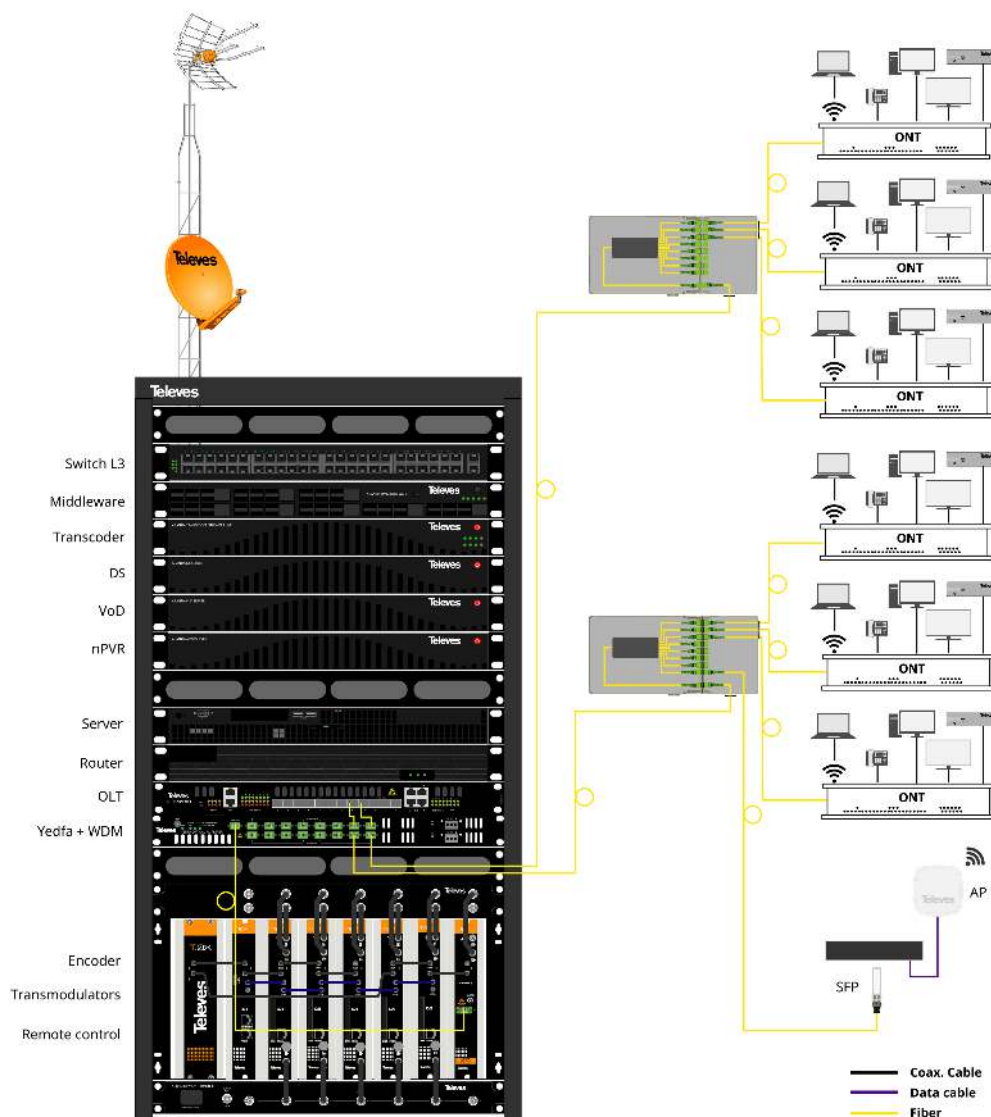
**Main product
weight**

4,158.00 g

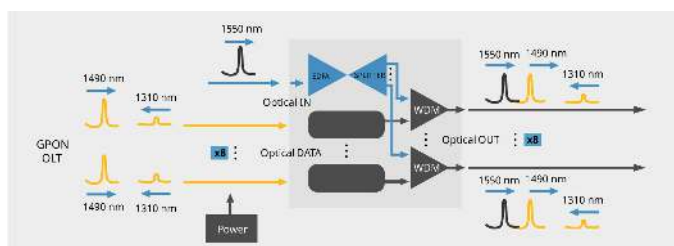
Highlights

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

Application example



Graphic documentation



Block diagram

Technical specifications : Ref. 769615

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
Upstream Wavelength (@Upstream)	nm	1310
GPON Wavelength (@Downstream)	nm	1490
Optical input power RF Overlay	dBm	-10 ... 10
Optical output power RF Overlay	dBm	20
Noise figure	dB	< 5,5
Optical return losses	dB	> 40
GPON Insertion losses	dB	< 1
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	Vac	110 ... 230
Mains frequency		50 Hz / 60 Hz
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