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

1550 nm, Po 20dBm

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 YEDFA (Erbium and ytterbium doped fiber) technology, it provides a high gain, a higher optical power 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 large size splitting GPON optical networks.

The hot-swappable double power supply allows to feed an OLT512 in a GPON headend.

**Ref.769610**

**Art.Nr**

OLTUPSWDMA

**EAN13**

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### 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
- -48 VDC per module

### Main features

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

## Technical specifications

<b>OPTICAL INPUT Video Overlay</b>	Input optical power	dBm	-10...+10
	Input connector	tipo	1SC/APC
	Wavelength	nm	1548...1565
<b>OPTICAL INPUT GPON</b>	Insertion loss (1310nm & 1490nm)	dB	<1
	Input connector	tipo	8 x SC/APC
	GPON wavelength	nm	1310±20 - 1490±20
<b>OPTICAL OUTPUT</b>	Output optical power (1550nm)	dBm	20 ± 0,5
	Output connector	tipo	8 x SC/APC
	Noise figure	dB	Tip 5 (Pin=0dBm 1550nm). Máx 7.
	Return loss	dB	≥ 40
<b>POWER SUPPLY UNIT</b>	AC voltage	VAC	99-253
	Frequency	Hz	50-60
	Efficiency	%	89
	Protection Index	IP	20