



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

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 17 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.

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<b>Ref.</b>	769612
<b>Logical ref.</b>	OLTUPSWDMA17
<b>EAN13</b>	8424450191088

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### Packaging info

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<b>Box</b>	1 pcs.
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### Physical data

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<b>Net weight</b>	6,200.00 g
<b>Gross weight</b>	6,200.00 g
<b>Width</b>	483.00 mm
<b>Height</b>	43.00 mm
<b>Depth</b>	395.00 mm

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### Highlights

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

## Technical specifications : Ref. 769612

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	1548 ... 1565
Upstream 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
Optical return losses	dB	> 40
GPON Insertion losses	dB	< 1
Flatness	dB	0.5
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	A	4.8