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

1550 nm, Po 10 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 10 dBm. Based on EDFA (Erbium doped fiber) technology, it provides a high gain 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 medium size splitting GPON optical networks.

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Highlights

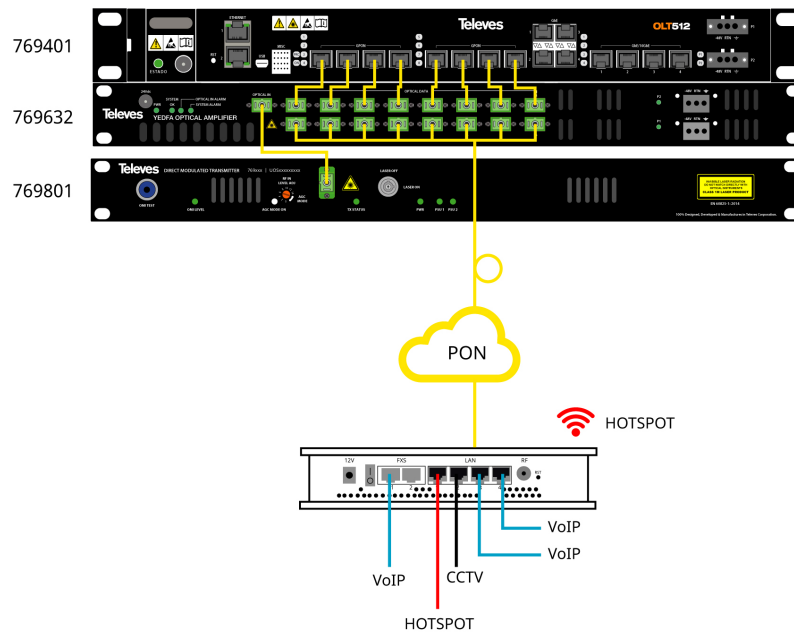
- High-optical output power amplifier
- Equipped with WDM for the multiplexing of RF Overlay with GPON signals
- -10 dBm to +10 dBm input range
- Status LED indicators
- High-efficiency power supply
- Hot swappable double power supply: subscriber service is not interrupted

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

(Click to see the picture)



Technical specifications

OPTICAL	Número de puertos		1 RF Overlay @Optical IN 8 GPON @Optical DATA 8 (GPON+RF Overlay) @Optical OUT
	Longitud de onda	nm	1310±20 @ Upstream 1490±20 @ Downstream 1530...1565 @RF Overlay
	Input RF Overlay	dBm	-10...+10
	Output power RF Overlay	dB	8 x 10
	Noise figure	dB	5
	Insertion loss (1310nm & 1490nm)	dB	<1
	Return loss	dB	>40
	C/N / CSO / CTB	dB	51 / >65 / >65
Input/output optical connectors			SC/APC
PSU	Mains voltage	VAC	99-253
	Mains frequency	Hz	50-60
	Max. input consumption	mA	110
	Maximum input power	W	5.5
GENERAL	Operating temperature	°C	-5...+45
	Protection index	IP	20