

GPON and RF Overlay

YEDFA OPTICAL AMPLIFIER

OYA Series

Rack-mounted optical amplifier, compatible with EPON/GPON systems.

APPLICATION

Ideal for the distribution of fibre optic signals.

FEATURES

- 8 WDM output ports (RF Overlay+GPON).
- Output power 8*19dBm.
- Adjustable output power from -3 to 0 dB.
- Wide input range from -5 to 10 dBm.
- Very low noise figure.
- LED indicators for input/output/status/power.
- Monitoring and alarms for input level and laser bias current.
- Dual hot-swappable power supply.
- Control and monitoring via WEB/SNMP.
- 1U 19" rack mount.



MODEL		OYA 819
Reference		10412
No. of OLT ports		8
INPUT		
CATV wavelength	nm	1540–1560
OLT wavelength	nm	1310/1490
CATV input power	dBm	-5 to 10
OUTPUT		
Output power	dBm	8*19
Output power control	dB	-3 to 0
Power stability per port	dB	0.1
Noise figure (@6dBm input)	dB	4 (max. 5.8)
INPUT-OUTPUT		
Return loss	dB	55
IN-OUT insulation	dB	30
OLT optical connectors		SC/UPC
CATV+OUT optical connectors		SC/APC
OTHER PARAMETERS		
Management interface		SNMP/WEB
Management port		Ethernet RJ45
Display and buttons		LCD/4
Status LED		IN/OUT/POWER
Mounting		19" 1U rack
Power supply (redundant)	V	90–265
Power consumption	W	≤50
Operating temperature	°C	-5 to 50
Storage temperature	°C	-20 to 85
Storage humidity	%	5–95
Dimensions	mm	483 × 422 × 44
Weight	kg	11.5