FRACARRO

GPON-RX WAC 4GE

GPON

The **GPON-RX WAC 4GE** optical receiver enables data (internet) distribution through fiber optic infrastructure (Passive Optical Network). The GPON system with the combination of **Data GPON TX** and **GPON-RX WAC 4GE** greatly facilitates the distribution of data signals over long distances by taking advantage of the bandwidth capacity of typical FTTH deployments.

The **GPON-RX WAC 4GE** optical receiver (ONT - Optical Network Termination) offers the ability to create a high-speed WIFI network (IEEE802.11b/g/n/ac) for data distribution over the wireless infrastructure, also enables telephony distribution with the highest quality.

The **GPON-RX WAC 4GE** receiver meets the ITU-T G.984x standard protocol, supports asymmetric upload/download speed of 1.25 Gbps/2.5 Gbps, and offers users the possibility of flexible bandwidth allocation related to integrated Ethernet services.

The **GPON-RX WAC 4GE** receiver is equipped with an FXS (POTS) port to be able to connect telephony devices.

Technical Chars

- **Automatic detection**, automatic configuration and automatic firmware update**features**
- Built-in**remote configuration**
- Supports QinQ VLAN capabilities and **IGMP multicast snooping** capabilities
- Compatible with **IEEE802.11b/g/n/ac (Wi-Fi)** standard
- **NAT support, firewall function**
- Supports dual IPv4 and Ipv6 stacks
- Supports SIP protocol
- **RJ11 connector** for managing telephone devices

GPON-RX WAC 4GE		
Code		287615
PON section		
Wavelength	nm	Rx 1490 / Tx 1310
Optical Sensitivity		Up to -28 (@1490nm)
PON max distance	Mbps	1.25 (Uplink) / 2.5 (Downlink)
Optical saturation	dBm	-
Optical output		
Connectors type		SC/UPC single-mode
PON ports		1x interfaccia ottica G/EPON
PON max distance	Mbps	1.25 (Uplink) / 2.5 (Downlink)
Optical Sensitivity		Up to -28 (@1490nm)

Ethernet section		
LAN ports		• 4x10/100/1000M (auto negotiation in full/half duplex mode) • RJ45 connector
POTS section		
Connector type		1 x RJ11
Standard		G.711A/G.711U/G.723/G.729 codec T.30/T.38/G.711 Fax mode, DTMF Relay
USB section		
USB interface		1 x USB 2.0 1 x USB 3.0
Management		
Management mode		• The receiver can be remotely managed via DATA GPON TX • Remote management support via SNMP and Telnet • Local network management from command line and WEB interface • Status monitoring, configuration, alarm management, log management (events)
Wifi section		
Working mode		-
Standard compatibility		IEEE 802.11b/g/n/ac
Bitrate		-
2,4GHz frequency range	MHz	2.400-2.483
5GHz frequency range	MHz	5.150-5.825
Encryption		-
SSID support		Multiple
Features		
Power supply voltage	V/A	12 / 1.5
Current consumption	W	12
Working temperature	°C	From 0 to +50
Storage temperature	°C	From -30 to +60
Dimensions and packaging		
Packing		Single
Pcs		1
EAN code		8016978106011
Packaging dimensions	mm	250 x 225 x 50
Product dimensions	mm	178 x 30 x 120
Packaging weight	Kg	0.53
Weight	Kg	0.42