

GPON-RX WAC 4GE

GPON



The **GPON-RX WAC 4GE** optical receiver enables data (internet) distribution through fibre 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 (WiFi)** 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
Optical section		
Connector type		SC/UPC single-mode
PON ports		1 x optical interface G/EPON
PON max. distance	Mbps	1.25 (Uplink) / 2.5 (Downlink)
Optical Sensitivity		Up to -28 (@1490nm)
Wavelength	nm	Rx: 1490 / Tx: 1310
Optical sensitivity		Down to -28 (@1490nm)
Optical saturation	dBm	-

Ethernet Section		
LAN ports		<ul style="list-style-type: none"> 4 x 10/100/1000M (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		
Option mode		<ul style="list-style-type: none"> 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	GHz	2.400 - 2.483
5GHz frequency range	GHz	5.150 - 5.825
Aerials specs		Supports MIMO, 4T4R, 5dBi external aerials, up to 1.167Gbps
Encryption		-
SSID support		Multiple
Specifications		
Power supply voltage	V/A	12 / 1.5
Current consumption	W	12
Operating temperature	°C	0 to +50
Storage temperature	°C	-30 to +60
Alimentation type		external, supplied (12VDC)
Dimensions and packaging		
Packing		Single
Pieces		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