

ONTG-4G1FTW-H

GPON



1. The **ONTG-4G1FTW-H** optical receiver enables data (internet) distribution through fibre optic infrastructure (Passive Optical Network). It is equipped with a FXS (POTS) port to be able to connect analog telephone devices, 4 GE ports and a CATV RF output.

It also offers the ability to create a high-speed WIFI network (IEEE802.11b/g/n/ac) for data distribution through the wireless infrastructure.

The **ONTG-4G1FTW-H** receiver complies with the ITU-T G.984x standard protocol, supports 1.25 Gbps/2.5 Gbps asymmetric upload/download speed, and offers users the possibility of flexible bandwidth allocation related to integrated Ethernet services.

Technical Chars

- Built-in **remote configuration**
- Supports VLAN capabilities and **IGMP multicast snooping** capabilities
- Compatible with **IEEE802.11b/g/n/ac (Wi-Fi)** standard
- **NAT support, firewall function**
- Supports SIP protocol
- **RJ11 connectors** for handling analog telephone devices
- RF connector

ONTG-4G1FTW-H		
Code		287793
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	-8
Optical output		
Connector type		SC/APC single-mode
PON ports		1x optical GPON interface
PON max. distance	Mbps	1.25 (Uplink) / 2.5 (Downlink)
Optical Sensitivity		up to -28 (@1490nm)
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		TDMF G711A/G711U/G729/G722 encoding/decoding
Management		
Option mode		<ul style="list-style-type: none"> • Support of remote management via SNMP and Telnet • Local network management from command line and WEB interface
CATV Section		
Connector		F female
Optical input level	dB	-18 ~ 0
Output level	dB μ V	78 (@-12~-2dBm@85MHz)
RF frequency range	MHz	47MHz~1000MHz
Wavelength input	nm	1550
Optical return loss	dB	12
Impedence	ohm	75
Wifi Section		
Standard compatibility		IEEE 802.11b/g/n/ac
Bitrate		1.2GMbps
2.4GHz frequency range	GHz	2.400 - 2.483
5GHz frequency range	GHz	5.150 - 5.825
Aerials specs		Supports MIMO 2x2
SSID support		Multiple
Specifications		
Power supply voltage	V/A	12 / 1.5
Current consumption	W	11,7
Operating temperature	°C	0 to +40
Storage temperature	°C	-30 to +60
Relative humidity	%	10% ~ 90%
Alimentation type		esterno/external (12VDC)
Dimensions and packaging		
Packing		Single
Pieces		1
Packaging dimensions	mm	255 x 255 x 50
Product dimensions	mm	234 x 157.5 x 32
Packaging weight	Kg	0.56
Weight	Kg	0.30