FRACARRO

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 (WiFi)** standard
- **NAT support, firewall function**
- Supports SIP protocol
- **RJ11 connectors** for handling analog telephone devices
- RF connector

ONTG-4G1FTW-H		
Code		287793
Optical section		
Connector type		SC/APC single-mode
PON ports		1x optical GPON interface
PON max. distance	Mbps	1.25Gbps (Uplink) / 2.5Gbps (Downlink)
Optical Sensitivity		Up to -28 (@1490nm)
Wavelength	nm	Rx: 1490 / Tx: 1310
Optical sensitivity		up to -28 (@1490nm)
Max. speed		1.25Gbps (Uplink) / 2.5Gbps (Downlink)
Optical saturation	dBm	-8
Optical input level	dB	-18 ~ 0
Ethernet Section		
LAN ports		• 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

Functions

Management		OMCI, WEB and SNMP

Management

Option mode		• Support of remote management via SNMP and Telnet • Local network management from command line and WEB interface

CATV Section

Connector		F female
Output level	dBµV	78 (@-12~-2dBm@85MHz)
RF frequency range	MHz	47MHz~1000MHz
Wavelength input	nm	1550
Optical return loss	dB	12
Impedence	Ω	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	-10 to +50
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