



ONT-2GF-RFW

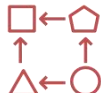
1*XPON+1GE+1FE+WiFi 4+CATV ONT



Key Features:



Realtek Chipset
High Performance Solution



XPON Dual Mode
Automatically Access to
EPON/GPON



WiFi IEEE802.11b/g/n
2T2R 5dBi Antenna



Remote Control
CATV(with AGC) on/off

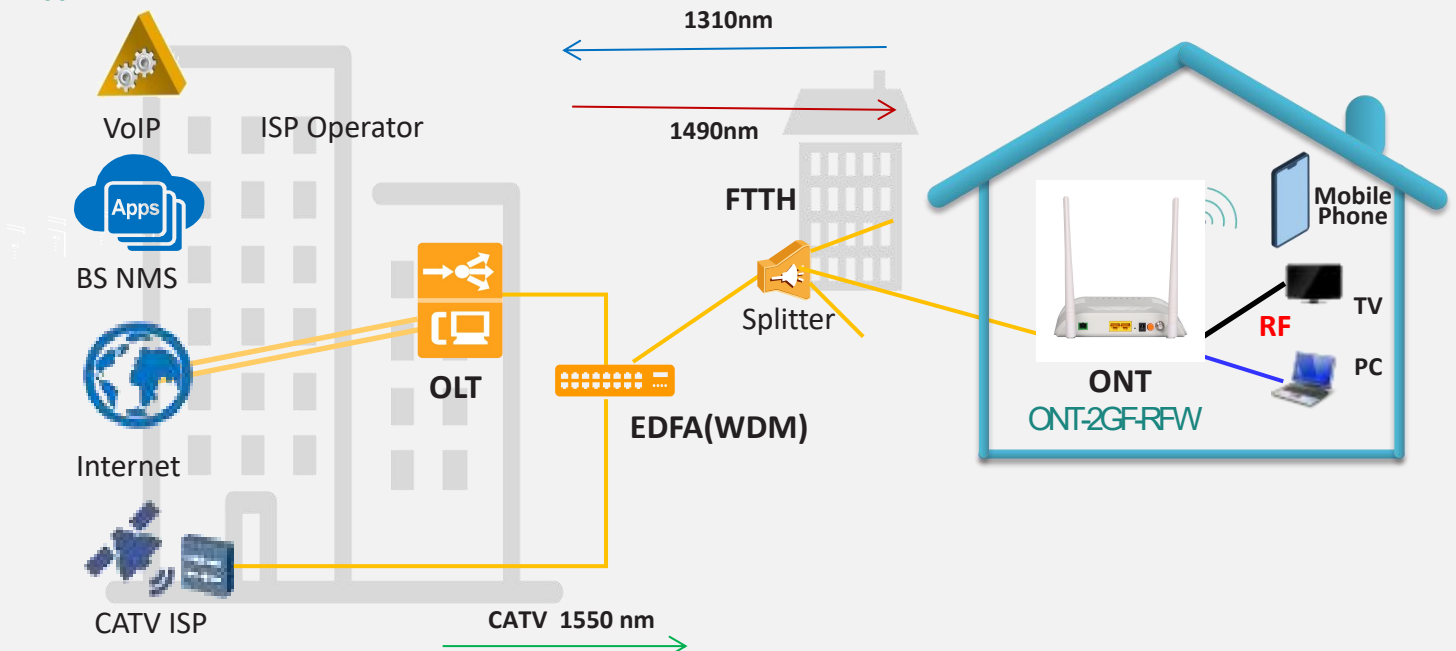
Introduction:

ONT-2GF-RFW (1GE+1FE+WiFi 4+CATV XPON ONT) is specially designed for different FTTH solutions.

The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n WIFI technology and other Layer 2/Layer 3 functions, and can provide data services for carrier-grade FTTH applications.

The ONT has high reliability and is easy to manage and maintain. It has QoS guarantees for different services. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah, ITU-T G.984, etc.

Application Chart:



○ Hardware Parameter

Dimension	185mm×120mm×34mm(L×W×H)
Net weight	0.29Kg
Operating condition	<ul style="list-style-type: none"> Operating temp: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	<ul style="list-style-type: none"> Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing)
Power adapter	DC 12V/1A, external AC-DC power adaptor
Power supply	≤7W
Interfaces	1GE+1FE+WiFi 4+CATV
Indicators	PWR, LOS, REG, GE, FE, WiFi, CATV

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> 1XPON port(EPON PX20+ and GPON Class B+) SC single mode, SC/APC connector TX optical power: 0~+4dBm RX sensitivity: -27dBm Overload optical power: -3dBm(EPON) or -8dBm(GPON) Transmission distance: 20KM Wavelength: TX 1310nm, RX1490nm, CATV 1550nm
WIFI interface	<ul style="list-style-type: none"> Compliant with IEEE802.11b/g/n, Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 300Mbps, 2T2R,2 external antenna 5dBi, Support: multiple SSID Channel:13 Modulation type: DSSS、CCK and OFDM Encoding scheme: BPSK、QPSK、16QAM and 64QAM
CATV interface	<ul style="list-style-type: none"> Optical receiving wavelength: 1550±10nm Optical input range: +2~-18dBm Optical reflection loss: ≥40dB RF frequency range: 47~1000MHz RF output impedance: 75Ω RF output level and AGC range: ≥81±2dBuv@+1~-10dBm ≥79±2dBuv@ 0~-11dBm ≥77±2dBuv@-1~-12dBm ≥75±2dBuv@-2~-13dBm ≥73±2dBuv@-3~-14dBm ≥71±2dBuv@-4~-15dBm MER: ≥32dB(-14dBm optical input)
User interface	<ul style="list-style-type: none"> 1*GE+ 1*FE Auto-negotiation RJ45 ports

○ Function Data

PON mode	XPON Dual Mode , Can access mainstream EPON/GPON OLTs
Uplink Mode	Bridging and Routing Mode
Alarm	Support Dying Gasp, Port Loop Detect and Eth Port Los
VLAN	<ul style="list-style-type: none"> 4K VLAN VLAN tag, untag, transparent, trunk, translation mode
Multicast	<ul style="list-style-type: none"> Max Multicast Group 64 IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	<ul style="list-style-type: none"> Support 4 queues Support SP, WRR, 802.1P and DSCP
L3	<ul style="list-style-type: none"> DHCP/PPPOE/Static IP, NAT DHCPv6 Server, IPv4/IPv6 Static route IPv4/IPv6 dual stack
WiFi	<ul style="list-style-type: none"> Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) Multiple SSID and SSID conceal Wireless channel selection
CATV	Support CATV Rmote management
Security	<ul style="list-style-type: none"> Flow & Storm control, Loop Detection Filtering Based on ACL/MAC/URL
Management	<ul style="list-style-type: none"> CTC OAM 2.1 and 3.0 ITU984.x OMCI EMS\WEB\Telnet\CLI and unified network management of SOFTEL OLT

Product Name	Product Description	Accessories
ONT-2GF-RFW	1GE+1FE+WiFi 4+CATV	AC-DC power adaptor: DC12V/1A