

4GE+2POTS(VOIP)+24/5G WIFI+2USB, GPON ONU, Connector: SC/APC or SC/UPC

To deliver triple-play services to the subscriber in Fiber-to-the-Home or Fiber-to-the-Premises application, the LFW-GPONONU-4R-2P-2U-DWF GPON ONT incorporates interoperability, key customers' specific requirements and cost-efficiency.

Equipped with ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON interface, the GPON ONT supports the full of services including voice, video, and high speed internet access.

Compliant with standard OMCI definition, LFW-GPONONU-4R-2P-2U-DWF GPON ONT is manageable at remote side and supports the full range FCAPS functions including supervision, monitoring and maintenance.



SERVICE

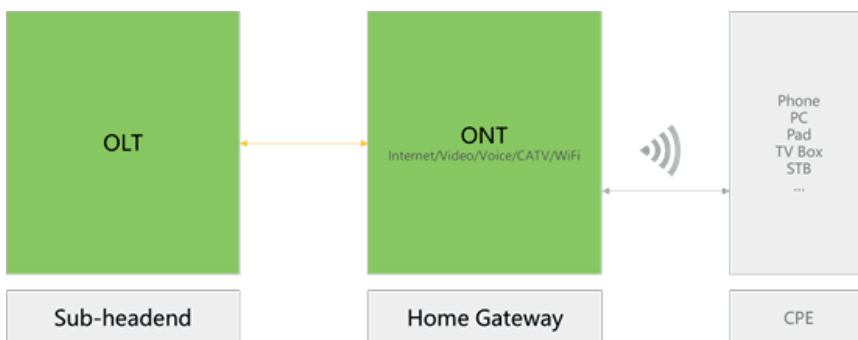
Data
<i>The LFW-GPONONU-4R-2P-2U-DWF Gpon ONT is delivered with 4 10/100/1000 Base-T interface, supporting:</i>
<i>Auto-negotiation and MDI/MDIX auto-sensing</i>
<i>Built-in layer-2 switch</i>
<i>Advanced data features such as VLAN tag manipulation, classification, and filtering</i>
<i>Built-in layer-3 routing and residential gateway</i>
<i>2.4GHz 300Mbps + 5GHz 867Mbps WLAN interface</i>
<i>USB 2.0 storage</i>
Video
<i>The LFW-GPONONU-4R-2P-2U-DWF Gpon ONT supports video contents delivered in the form of data (by multicast or unicast).</i>
Voice
<i>The LFW-GPONONU-4R-2P-2U-DWF Gpon ONT can optionally be delivered with two POTS interface port for carrier-grade voice services, supporting:</i>
<i>Multiple voice codec</i>
<i>Echo Cancelling, VAD, CNG</i>
<i>Supporting static or dynamic jitter buffer</i>
<i>arious CLASS services - Caller ID, Call Waiting, Call Forwarding, Call Transfer, etc.SIP (RFC3261)</i>
<i>MEGACO v2 (H.248)</i>
<i>To enable VoIP access, it supports interfacing external IAD box or Home Router with voice capability through the Ethernet Interface.</i>

SPECIFICATIONS

Optical SPEC	
<i>Working wavelength</i>	PON : TX1310 · RX1490 (nm)
<i>The light emitting power</i>	1 ~ +4 (GPON) (dBm)
<i>The light receiving sensitivity</i>	≥ -27 (dBm)
<i>Optical fiber connector</i>	PON : SC/UPC
Port	
<i>The user side Ethernet ports</i>	4GE
<i>USB / POTS</i>	2 / 2
<i>WiFi</i>	802.11 b/g/n/ac / Internal Antenna
<i>2.4GWiFi</i>	300Mbps
<i>5GWiFi</i>	867Mbps
<i>Power Supply</i>	AV110 ~ 255V → DC12V 1.5A
	2-PIN power adaptor input
	Dying Gasp support
	Consumption: less than 12W
<i>Dimension (mm)</i>	250*290*30 mm
<i>Weight</i>	250 g

GPON Interface	Compliant with ITU-T G.984 GPON standards
	BoSA on board optical solution
	1.244Gbps Burst Mode Upstream Transmitter
	2.488 Gbps Downstream Receiver
	Compliant with ITU-T G.984.2 Amd1, Class B+
	Wavelengths: US 1310nm, DS 1490nm
	Multiple T-CONTs per device
	Multiple GEM Ports per device
	Flexible mapping between GEM Ports and T-CONT
	Activation with automatic discovered SN and password in conformance with ITU-T G.984.3
	AES-128 Decryption with key generation and switching
	FEC (Forward Error Correction) in both directions
	DBA reporting by piggyback reports in the DBRu (mode 0 and mode 1)
	Mapping of GEM Ports into a T-CONT with priority queues based scheduling
	Support Multicast GEM port and incidental broadcast GEM port
Ethernet Interface	4GE
	Ethernet port auto negotiation or manual configuration
	MDI/MDIX automatically sense
	Virtual switch based on 802.1Q VLAN
	VLAN tagging/detagging per Ethernet port
LED	USB / FXS
	5G WiFi / 2.4G WiFi
	LAN1 - LAN4
	LOS / PON
	Power
OAM	Standard compliant OMCI (the embedded operations channel) interface as defined by ITU-T G.988
	Alarming and performance monitoring
	Remotely software image download over OMCI, as well as activation and rebooting
	Hold two software sets with software image integrity checking and automatic rollback

APPLICATION



ORDERING INFORMATION

PN	DESCRIPTION
LFW-GPONONU-4R-2P-2U-DWF	4GE+2POTS(VOIP)+24/5G WIFI+2USB, GPON ONU, Connector: SC/APC or SC/UPC