

Features:

- Integrated on-board SFF XGS Uplink
- 4x 10/100/1000BASE-T Ethernet RJ45 ports
- 1x 100/1000/2.5G/5G/10GBASE-T Ethernet RJ45 port
- 2x VoIP RJ11 ports
- Wall adapter
- Operating temperature: 0 to 40°C
- XGS PON SFP+ optics included



1. General

Parameter	Description
Azores	Model WAG-052c
ONT Type	XGSGPON ONT
Main SoC	EN7580
Uplink	XGSPON
Downlinks	4x GE, 1x10GE, 2xPOTS
Operating Temperature	0 to 40°C
Storage Temperature	-40 to 85°C
Operating Humidity	10% to 95%, non-condensing
Installation	Desktop, Wall Mount
Dimensions	220mm x 160mm x 40mm
Net Weight	390g

2. Product Specifications

XGS PON	
PON Interface	Integrated on board SFF Optics
Connector	SC/APC
Standard Compliance	ITU G.9807.x Laser safety standard IEC-60825 Class I

Transmitter	9.95328Gbps upstream DFB transmitter in 1270nm, with ≥ 6 dB Extinction Ratio Mean launch power in 4 to 9 dBm range Turn on/off time at burst mode < 25.7 ns
Receiver	9.95328Gbps downstream APD receiver in 1577nm, with - 8 to -28dBm working range Isolation ≥ 30 dB
TC Layer	Types 1 to 5 TCONT
	32 TCONT, 256 GEM Ports
	Flexible mapping between TCONT and GEM Ports
XGSPON Features	Dying Gasp, Forward Error Correction (FEC), Configurable AES decryption in both directions

GE LAN

Ethernet Interface Standard Compliance Link	4x RJ45 connectors (Yellow)
	IEEE 802.3, 802.3u, 802.3ab
	Half-duplex and full-duplex operations; 10/100/1000BaseT auto-negotiation and manual configuration; MDI/MDIX auto detection

10G LAN

Ethernet Interface Standard Compliance Link	RJ45 connector (Blue)
	IEEE 802.3u, 802.3ab, 802.3bz, 802.3an
	100M/1000M/2.5G/5G/10GBaseT auto-negotiation and manual configuration; Half-duplex and full-duplex operations for 100/1000BaseT; MDI/MDIX auto detection for 100/1000BaseT

POTS

POTS Interface	2x RJ11 Connector
Ringing	4 REN
VoIP Support	SIP

Gateway Functions

WAN	Multiple WAN Support – Internet, TR-69, VoIP Routed and Bridging Interface Support
	DHCP and PPPoE
	Untagged and Tagged WAN
Routing	DHCP Server with Configurable DHCP IP pool
	Dynamic and Static Routes

Security	URL Filter, Firewall, MAC Filter, Port Filter
Advanced NAT	ALG, DMZ, Virtual Server
TR-69	ACS Support
VoIP	Primary and Backup SIP Server Support
	Session Boarder Controller Support Configurable Digitmap and Codec
Diagnosis	PING Test, TRACERT Test, TR-69 Inform Test
Other Applications	UPnP

OAM

LEDs	Power, XGS-PON, LOS, Internet, MG5, GE1-4, Phone1-2
Buttons	Reset
Management	OMCI, CLI, Telnet, HTTP, TR-69
Firmware Upgrade	Firmware upgrade, active and alternative firmware images
Diagnostics	Enhanced XGSPON debug and diagnostic functions
	Log files, memory allocation and crash check
Alarm	Alarm report and suppression (ARC)
PM	All standard PM counters

OAM

Max Power Consumption	11 watts
Power Options	Wall adapter or UPS via 2x4 Molex connector
Wall Adapter	Standard Barrel Connector 100-240VAC in, 50/60Hz
	12VDC out, 1.5A max

3. Product Photos



Back View

4. Contact Information

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