

Product Specification

ATG1007

GPON ONT 1 port 10/100/1000 Base-T
GCOM/ZTE compatible



Overview

Atrian xPON solutions provides simple and reliable products for small and mid-size ISPs. They can be easily be integrated into existing passive optical networks, which contributes to keep a lower OpEx. Atrian xPON solutions effectively collects and converges scattered Ethernet services and provides smoothly interconnects with existing networks. Atrian ONTs can be integrated to a wide range of OLT vendors.

Key Features

- Dynamic Bandwidth Allocation (DBA)
- IGMP multicast
- Multicast VLAN
- OAM protocol
- FEC and DBA
- IEEE802.1Q VLAN protocol
- IEEE 802.1p protocol
- Remote loopback and network status diagnosis

Technical Specification

Group	Parameter	Value
User Port	10/100/1000 Mbps RJ45	1 port
PON	TX Speed @ 1310nm	1.25 Gbps
	RX Speed @1490nm	2.5 Gbps
	Max distance	20 Km
	Optical receive sensitivity	≥ -28 dBm
	Luminous power	0 ~ 5 dB
	Security	SN authentication mechanism
Environment	Operating temperature	0 ~ +60 °C Operating

	Humidity	10 ~ 85 % non-condensing
Power	ONT Power input	12 VDC 500 mA
	ONT Consumption	6 Watt
	Power Supply	100 ~ 240 VAC to 12 VDC
Characteristics	Dimensions	(L) 130 x (W) 100 x (H) 28 mm
	Net Weight	0.15 Kg
	Gross Weight	0.3 Kg
Compatibility	GCOM, ZTE, China Telecom CTC protocol	
Protocol	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad (LACP) Ethernet-II, Ethernet-SNAP	
VLAN	Port-based VLAN GVRP IEEE 802.1Q VLAN	
QoS	Backpressure flow control (half-duplex) IEEE 802.3x flow control (full-duplex) Prevent Head Of Line IEEE 802.1p, CoS WRR, SP scheduling algorithm Port rate limit	
Safety	IEEE 802.1x, access control based upon Port Support local and remote RADIUS, CHAP, EAP certification Storm control, Port protection	

Ordering Information

Part Number	Description
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Warranty

TWO years of limited warranty for products sold directly by Atrian Technologies, unless special agreements have been set. Warranty period start from the ship date and will be only valid for the original customer who bought the product. If you have purchased the product from a reseller you must contact him directly. RMA Form and full warranty details are available on our website.