

Product Specification

ATV28002GW

EPON/GPON ONT 1Ge+1Fe+WiFi b/g/n

Atrian/VSOL compatible



Overview

Atrian ONT devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Gigabit GPON technology, which have high ratio of performance to price, and the technology of 802.11n WiFi (2T2R), Layer 2/3. They are highly reliable and easy to maintain, with guaranteed QoS for different service. They are fully compliant with technical regulations such as IEEE802.3ah.

Key Features

- Plug and play, features auto-detecting, auto-configuration and auto firmware upgrade
- Integrated OAM remote configuration and maintenance function
- Support rich QinQ VLAN functions and IGMP Snooping multicast features
- Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset
- Support 802.11n WiFi(2T2R) function
- Support NAT, Firewall function
- Support IPv4 and IPv6 dual stack
- The WAN port supports bridge, router and bridge/router mixed mode

Technical Specification

Group	Parameter	Value
User Port	10/100/1000 Mbps RJ45	1 port
	10/100 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
	Fiber connector	SC/UPC

Wifi	Compliant	IEEE802.11b/g/n
	Operating frequency	2.400-2.4835GHz
	support MIMO	Yes
	Speed rate	300Mbps
	External Antennas 2T2R	5dBi
	Multiple SSID	Yes
	Channels	13
	Modulation type	DSSS, CCK, OFDM
	Encoding scheme	BPSK, QPSK, 16 QAM, 64 QAM
Environment	Operating temperature	0 ~ +50 °C Operating
	Humidity	10 ~ 90 % non-condensing
Power	ONT Power input	12 VDC 1 A
	ONT Consumption	6 Watt
	Power Supply	100 ~ 240 VAC to 12 VDC
Characteristics	Dimensions	(L) 185 x (W) 120 x (H) 34 mm
	Net Weight	0.24 Kg
Compatibility	Atrian, VSOL, 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
ATV28002GW	EPON/GPON ONT 1 port 10/100/1000 + 1 port 10/100 + WiFi b/g/n

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.