AK-E502&E502W EPON HGU

Introduction

AK-E502&E502W is a fast, convenient, flexible, secure and highly integrated EPON broadband connection device. It provide 4 GE interfaces, 1 WiFi interface, 1 RF(CATV) interface, it's very suitable for home and small business users and can meet the requirements of FTTH high speed data transfer.

Appearance

Features

- ☑ Adopt PTMP (point to multipoint)network topology, collect and distribute scattered Ethernet services effectively, provide 10/100/1000M RJ45 network interface, update existing networks smoothly;
- ☑ The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the bandwidth reasonably, guarantee the QoS;
- ☑ Support IGMP multicast, make use of the bandwidth effectively;
- ☑ Support multicast VLAN;
- ☑ Support OAM management protocol based on IEEE802.3, including configuration, alarm, performance monitor, fault isolation and security management etc, support remote management through OLT;
- ☑ Support FEC and DBA;
- ☑ Support IEEE802.1Q VLAN protocol;
- ☑ Support IEEE802.1p protocol;
- ☑ Support remote loopback and network status diagnosis;
- ☑ Support cyber storm control.

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Parameters

Model	AK-E502&E502W
User interface	4*GE RJ45, 1*WiFi, 1*CATV
PON	Transmission speed: upstream/downstream symmetrical 1.25Gbps Network coverage radius: 20km Optical receive sensitivity:≥-27dBm Luminous power:＜0dBm Security: ONU authentication mechanism
WIFI	IEEE 802.11b/g/n WIFI
CATV	RF frequency range：47MHz — 1000MHz RF output impedance :75Ω
Protocol	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1b/g/n 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 SP, WRR queue scheduling algorithm Port rate limit
Security	IEEE 802.1x, access control based upon Port; support local and remote RADIUS. CHAP,EAP certification; Storm control, port protection,
Management	Support various management modes such as Web, TELNET Support debug function
Environment	Operating temperature: 0℃～60℃; Operating humidity: 10%～85% (no-condensation) Storage temperature: -40℃～80℃; Storage humidity: 5%～95% (no-condensation)
Power supply	Input AC 110～240V Output DC 12V/1.5A
Power Consumption	18W

Dimension and Weight

AK-E502&E502W	ONU	Carton (with ONU)	Outer Box
Dimension (L*W*H/mm)	174*133*35	296*179*74	400*310*390
Weight(kg)	0.32	0.63	7

Order Information

Model	Description
AK-E502	EPON HGU, 4*GE RJ45, 1*WIFI, 1* CATV (double-fiber tri-direction), DC 12V/1.5A, white&black (specify metric or imperial)
AK-E502W	EPON HGU, 4*GE RJ45, 1*WIFI, 1* CATV (single-fiber tri-direction), DC 12V/1.5A, white&black (specify metric or imperial)