AK-G501 GPON HGU

Introduction

AK-G501 is a fast, convenient, flexible, secure and highly integrated GPON broadband connection device. It provide 4 FE interface, 1 PON interface and 1 WiFi interface, it's very suitable for home and small business users and can meet the requirements of FTTH high speed data transfer.

Appearance

Features

☑ Integrated GPON port, conform with ITU-T G.984 standard;

☑ Adopt PTMP (point to multipoint)network topology, collect and distribute scattered Ethernet services effectively, provide 10/100M 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 OMCI management protocol, 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.

Parameters

Model	AK-G501
User interface	4*10/100M RJ45, 1*WiFi
PON	Transmission speed :upstream 1.25Gbps /downstream 2.5Gbps Network coverage radius: 20km Optical receive sensitivity: ≥-28dBm Luminous power: <0dBm Security: ONU authentication mechanism
WiFi	IEEE 802.11b/g/n WIFI
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 WR, SP queue scheduling algorithm Port rate limit
Security	IEEE 802.1x,　access control based on 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/1A
Power Consumption	12W

Dimension and Weight

AK-G501	Device	Packing (with ONU)	Carton
Dimension L*W*H/mm	174*133*35	296*179*74	400*310*390
Weight/kg	2.8	0.7	7.4

Order Information

Model	Description
AK-G501	GPON HGU, 4*FE RJ45, 1*WIFI, DC 12V 1A, white&black