AK-G100 SFU

General Description

AK-G100 is a new GPON ONT production of our company's which passive optical network terminal series. It provides one 10/100/1000Mbps base-T interface, one optical interface, and it is very impact. Suitable for home and small business users, can meet the FTTH high-speed data transmission of the application.

Outline

Key Features

- Integrated GPON interface, to meet the ITU-T G.984 specification;
- It takes the PTMP (point to multipoint)network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet standard RJ45 interface, smoothly interconnects with existing networks.
- The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the maximum 2.5Gbps bandwidth reasonably, guaranteeing a reliable QoS.
- Supports IGMP multicast, effective use of broadband;
- Supports multicast VLAN;
- Supports China Telecom CTC protocol;
- Full management through an Operation Administration Maintenance (OAM) protocol based on IEEE802.3ah, including configuration, alarm, performance monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well.
- Supports FEC and DBA;
- Supports IEEE802.1Q VLAN protocol;
- Supports IEEE 802.1p protocol;
- Supports remote loopback and network status diagnosis;
- Supports flow statistics;
- Supports storm control;

Technical Parameter

Module	AK-G100
User interface	1 10/100/1000M RJ45 port.

PON	Transmission speed :upstream/downstream symmetrical 1Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-26dBm Luminous power:＞0dBm Security: ONT authentication mechanism
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 WR,SP and FIFO queue 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,
Management	Various management modes such as Web, TELNET Debug function.
Size	102mm(L) ×45mm(W) ×45mm(H)
Environment	Operating temperature:0℃～60℃; Operating humidity:10%～85% non-condensing
	Storage temperature:-40℃～80℃; Storage humidity:5%～95% non-condensing
Power supply	110～240VAC 5V/1A DC power interface size:1.3mm/3.5mm
Power Consumption	2.5W

Volume，Box Volume and Weight info

MINI ONT Volume					
Product Name	**Type**	**Length**	**Width**	**Height**	**Volume**
MINI ONT	AK-G100	102	45	45	206550
MINI ONT Box Volume					
Product Name	**Type**	**Length**	**Width**	**Height**	**Volume**
MINI ONT	AK-G100	138	98	86	1163064
MINI ONT Weight					
Product Name	**Type**	**Weight**		**Each Net Weight**	
MINI ONT	AK-G100	0.20		0.07	

Order Information

Module	Description
AK-G100	GPON ONT, One 10/100/1000M RJ45 port. Color: White, Black or Red.