



AK-G110 GPON SFU

General Description

AK-G110 is a new GPON ONU 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

- ☑ 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 bandwidth reasonably, guaranteeing a reliable QoS;
- ☑ Supports IGMP multicast, effective use of broadband;
- ☑ Supports multicast VLAN;
- ☑ Supports ITU-T G.984 protocol;
- ☑ Supports remote management through OLT and local console management as well;
- ☑ Supports FEC and DBA;
- ☑ Supports IEEE802.1Q VLAN protocol;
- ☑ Supports remote loopback and network status diagnosis;
- ☑ Supports storm control.



Technical Parameters

Model	AK-G110
User interface	1*10/100/1000M RJ45 port, 1*CATV
PON	Transmission speed :upstream 1.25Gbps /downstream 2.5Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-28dBm Luminous power:<0dBm Security: ONU authentication mechanism
CATV	CATV RF connector
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	140mm(L)×103mm(W)×28mm(H)
Environment	Operating temperature:0°C~60°C; Operating humidity:10%~85% non-condensing
	Storage temperature:-40°C~80°C; Storage humidity:5%~95% non-condensing
Power supply	110~240VAC 12V/1A DC
Power Consumption	12W

Dimension and Weight

OUN Dimension				
Type	Length	Width	Height	Volume
AK-G110	140mm	103mm	28mm	403760mm ³
ONU Packing Dimension				
Type	Length	Width	Height	Volume
AK-G110	239mm	125mm	54mm	1613250mm ³
ONU Weight				
Type	Weight		Each Net Weight	
AK-G110	0.33kg		0.18kg	

Order Information

Model	Description
AK-G110	GPON,1*10/100/1000 Base-T,1*CATV(double-fiber bi-direction), plastic housing