



AK-E110W EPON SFU

General Description

AK-E110W is a new EPON 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-E110W
User interface	1 10/100/1000M RJ45 port.
PON	Transmission speed: upstream/downstream symmetrical 1.25Gbps Network coverage radius: 20KM Optical receive sensitivity: ≥ -27 dBm Luminous power: < 0 dBm 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 SP, WRR 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) \times 103mm(W) \times 28mm(H)
Environment	Operating temperature: $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$; Operating humidity: 10% \sim 85% non-condensing
	Storage temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$; Storage humidity: 5% \sim 95% non-condensing
Power supply	110 \sim 240VAC 12V/1A DC
Power Consumption	12W

Dimension and Weight

OUN Dimension				
Type	Length	Width	Height	Volume
AK-E110W	140mm	103mm	28mm	403760mm ³
ONU Packing Dimension				
Type	Length	Width	Height	Volume
AK-E110W	239mm	125mm	54mm	1613250mm ³
ONU Weight				
Type	Weight		Each Net Weight	
AK-E110W	0.33kg		0.18kg	

Order Information

Model	Description
AK-E110W	EPON, 1*10/100/1000 Base-T, 1*CATV(single-fiber tri-direction), plastic housing