AK-E100 EPON SFU

General Description

AK-E100 is a new EPON SFU production of ANYK Technology's 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 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 Parameters

Module	AK-E100
User interface	1*10/100/1000M RJ45 port.

PON	Transmission speed :upstream/downstream symmetrical 1.25Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-27dBm Luminous power:＜0dBm Security: SFU 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	5W

Volume and Weight

AK-E100 Volume				
Model	Length	Width	Height	Volume
AK-E100	102mm	45mm	45mm	206550mm^3
AK-E100 Box Volume				
Model	Length	Width	Height	Volume
AK-E100	138mm	98mm	86mm	1163064mm^3
AK-E100 Weight				
Model	Weight		Each Net Weight	
AK-E100	0.20kg		0.07kg	

Order Information

Model	Description
AK-E100	EPON SFU, One 10/100/1000M RJ45 port. Color: White, Black or Red.