



AK-E401 Series EPON SFU

General Description

AK-E401 Series is a new EPON ONU production of ANYK Technology's passive optical network terminal series. It fully meets to the ITU-T G.984 standard, China Telecom (CTC) and China Netcom requirements. It embeds 4 10/100M Ethernet ports, and easily controlled by a remote system that is flexible enough to interoperate with OLT from different vendors. It is suitable for home users.

Outline



Key Features

- ☑ It takes the PTMP (point to multipoint) network topology, effectively collects and converges scattered Ethernet services, and provides the Ethernet standard RJ45 interface, smoothly interconnects with existing networks;
- ☑ The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the 1Gbps bandwidth reasonably, guaranteeing a reliable QoS;
- ☑ Supports IGMP multicast, effective use of broadband;
- ☑ Supports port isolation;
- ☑ Supports Ethernet loop detection, it will automatically determine whether there is an Ethernet loop blocking condition present in the network, when the loop disappears, it will restore automatically;
- ☑ Supports multicast VLAN;
- ☑ Supports China Telecom CTC protocol;
- ☑ Supports remote loopback and network status diagnosis;
- ☑ 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 transparent bridge and spanning tree protocol;
- ☑ Supports storm control;
- ☑ Supports flow statistics.



Technical Parameters

Model	AK-E401/E401P/E401PH
User interface	4*10/100M RJ45 ports.
PON	Transmission speed :upstream/downstream symmetrical 1Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-26dBm luminous power: > 0dBm Security: ONU authentication mechanism
Protocols	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 Garp Vlan Registration Protocol (GVRP) IEEE 802.1Q VLAN
QOS	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full-duplex) Prevent Head Of Line IEEE p802.1p, CoS WR,SP and FIFO queue scheduling algorithm Port rate limit
Safety	IEEE 802.1x, Port-based access control Supports local and remote Authentication CHAP,EAP certification Limits the maximum number of users on each port; Storm control, port protection
Management	Various management modes such as Web, TELNET Debug function.
Dimension	140mm(L) x 104mm(W) x30mm(H)
Environment	Operating temperature:0℃~60℃; Operating humidity:10%~85% non-condensing
	Storage temperature:-40℃~80℃; Storage humidity:5%~95% non-condensing
Power	Input :110~240VAC; Output: 12V/0.5A
Power consumption	6W

Order Information

Model No.	Description
AK-E401	4*10/100M RJ45 ports, Input :110~240VAC, output: 12V/0.5A
AK-E401P	4*10/100M RJ45 ports, Input :110~240VAC, output: 12V/0.5A, support reverse PoE
AK-E401PH	4*10/100M RJ45 ports, Input :110~240VAC, output: 12V/0.5A, support reverse PoE