Secureye

GIGABIT
EPON Terminal

Secureye EPON S-EP200 is mainly designed for FTTH,FTTO application. EPON S-EP200 support 1000Base-PX20+ standard with 1:64 maximum optical splitting ratio and 20km distance, and provide 1uplink GE PON port. S-EP200 together with OLT could realize flexible network structure and maintenance and provide total FTTx solutions.

S-EP200 has 1 PON port, one 10/100BASE-T port and one 10/100/1000BASE-T port

Features:

- Support port-based rate limitation and bandwidth control

- In compliant with IEEE802.3ah Standard

- Up to 20KM transmission Distance

- Support data encryption, group broadcasting, port Vlan separation, etc.

- Support Dynamic Bandwidth Allocation (DBA)

- Support ONU auto-discovery/Link detection/remote upgrade of software

- Support VLAN division and user separation to avoid broadcast storm

- Support power-off alarm function, easy for link problem detection

- Support broadcasting storm resistance function

- Support ACL and SNMP to configure data packet filter flexibly

- Specialized design for system breakdown prevention to maintain stable system

- Support software online upgrading EMS network management based on SNMP, convenient for maintenance

SPECIFICATION		S-EP200
Interface	PON Interface	1 EPON optical interface, Meet 1000BASE-PX20+ standard Symmetric1.25Gbpsupstream/downstream, SC single-mode fiber Split ratio:1:64,Transmission distance 20KM
	User Ethernet Interface	1*10/100M auto-negotiation, 1*10/100/1000M auto-negotiation Full/half duplex mode, RJ45 connector, Auto MDI/MDI-X, 100m distance
	Power Interface	12V DC Power supply
Performance Parameters	PON Optical Parameter	Wavelength: Tx 1310nm, Rx1490nm, Tx Optical Power: -1~ 4dBm Rx Sensitivity: -25dBm, Saturation Optical Power: -3dBm Connector Type: SC, Optical Fiber: 9/125μm single-mode fiber
	Data Transmission Parameter	PON Throughput: Downstream 950Mbps; Upstream 930Mbps Ethernet: 100Mbps, 1000Mbps, Packet Loss Ratio:<1*10E-12 latency: <1.5ms
	Business Capability	Layer 2 wire speed switching, Support VLAN TAG/UNTAG, VLAN conversion, Support Port-based speed limitation Support Priority classification, Support storm control of broadcast
Network Management	Management Mode	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Indicator	LED Indicator	PWR: Power up or down, SYS: System instructions OPTIN: Optical Link Status, LINK: ONU Registered LAN: Link Status of Ethernet Interface
Physical Features	Shell	Plastic casing
	Power	External 12V 0.5A AC/DC power supply adapter Power consumption: <2W(),<2.3W(PL311HC)
	Environmental Specifications	Operating temperature: -10 to 60 ºC Storage temperature: -40 to 70 ºC Operating humidity: 10% to 90% (Non-condensing) Storage humidity: 10% to 90% (Non-condensing)

Application

Typical Solution: FTTH, FTTB, PON+EOC
Typical Business: INTERNET, IPTV, VOD, IP Camera