

GEPON ISCOM5101

ISCOM5101 ONU (Optical Network Unit)

ISCOM5101 is a cost-efficient GEPON ONU device, which is designed to access residential and business subscribers into PON network.

It provides one single strand PON interface and one 10/100/1000M Ethernet interface for accessing subscriber's gateway or computer.

ISCOM5101 ONU provide full L2 switching functionality for high speed data and IPTV services.

The whole GEPON system is ideal solution for carriers to deploy packet switching network with limited fiber resource and the ONU device can be remotely monitored and managed through OLT device.



FEATURE

IEEE802.3ah compliant EPON ONU device	10/100/1000M auto negotiation
Bi-directional AES-128 encryption	Link measurement and diagnostic on PON network
Automatic discovered and authorized, plug and play	MAC address binding, Port isolation, 802.1x based on port/MAC
Loop back detection for avoiding storms caused by end user loop	Upgradeable dynamic DBA algorithm for end user bandwidth allocation
Enhance ACL function for security classification of incoming L2 to L4 packets	Customized Quality of Service for assured SLA
Storm control of broadcast, multicast and DLF	STP and RSTP for improving network resiliency and reliability
4096 IEEE802.1Q VLAN, VLAN stacking, swapping and rewriting	IGMP Snooping and MVR for video services
Console/Telnet/SNMP management	

SPECIFICATION

GEPON interface	1 GEPON port, SFF optical module, SC connector, Single mode single strand, 1310nm burst transmit, 1490nm continuous receive, Symmetric 1.25Gbps, 10~30km distance
Ethernet interface:	1*10/100/1000M, Auto-negotiation supported, RJ45 connector, Full/half duplex mode
Console port:	1*RS232 port, 9600 baud/s, 8 data bits, 1 stop bit
Dimension:	260(W)*130(D)*38(H)mm
Weight:	1.1KG
Power supply:	AC: 90~264V, 47~63Hz
DC:	-36 ~ -75V
Power consumption:	≤ 10W (at max load)
Working ambience Temp:	0~45 centigrade RH: 10~90% non-condensing
Safety compliance:	CE Class A, EN 60950-1