

# GEPON ISCOM5504 Standalone

ISCOM5504 Standalone OLT (Optical Line Terminal)

ISCOM5504 is Optical Line Terminal of Raisecom GEPON system that aggregates Ethernet traffic from remote ONU devices through passive optical splitters.

It provides 4 single-strand PON interfaces for communicating with downlink ONU devices and 4 gigabit combo interfaces for connecting with uplink switches, enabling a high-speed and cost-efficient FTTH solution in last mile.



## FEATURE

1.25Gbps symmetric rate for both upstream and downstream traffic	Up to 1:64 split ratio and up to 20km transmission distance
Each OLT supports up to 256 remote ONUs	4096 IEEE802.1Q active VLAN, VLAN stacking, swapping and rewriting
16K MAC address table, 100 static MAC address	MAC address binding, Port isolation, 802.1x based on port/MAC
Upgradeable dynamic DBA algorithm for end user bandwidth allocation	Customized Quality of Service for assured SLA
Enhance ACL function for security classification of incoming L2 to L4 packets	QoS supports based on SP, WRR and SP+WRR, up to 8 priority queues per port
Storm control of broadcast, multicast and DLF	DHCP Snooping/option82/server and ARP for a higher network security
STP and RSTP for improving network resiliency and reliability	IGMP Snooping and MVR for video services
1+1 automatic protection	Bi-directional AES-128 encryption
IEEE802.3ah OAM	Console/Telnet/SNMP management

## SPECIFICATION

ISCOM5504 is equipped with industry-leading layer-2 switching technologies such as service-based traffic management, customized Quality of Service, L2 to L4 Access Control List, VLAN stacking and rewriting, IGMP Snooping and MVR for IPTV and VOD services, RSTP and port loop back detection for avoiding broadcast storm, port rate-limiting and link aggregation, and efficient network management.

Meanwhile, in order to prevent carriers' network from malicious attack, ISCOM5504 is integrated with various policies to ensure the security of customers, network, and Switch themselves.

ISCOM5504 is deployed in central office and can be managed through Console, Telnet and SNMP. With redundant power supply, ISCOM5504 allows the most uptime while reduces both CAPEX and OPEX.