

System Feature	
Data rate	EPON 1.25Gbps; GPON 2.5Gbps
Split ratio	1:128 at most
VLAN	<p>4k VLAN;</p> <p>VLAN based on port, MAC address, protocol and IP subnet;</p> <p>IEEE 802.1ad (Q in Q or VLAN stack);</p> <p>VLAN transition;</p> <p>Flexible Q in Q, to Support tag-based VLAN ACL policy to add, replace and delete;</p> <p>Add, replace and delete VLAN tags of ingress and egress;</p> <p>Multicast VLAN;</p> <p>1k ingress and 512 egress VLAN/dual VLAN tag policy</p>
Bridge	<p>MAC address learn based on hardware, variety of MAC address learning management;</p> <p>MAC limit based on port, link aggregation and VLAN;</p> <p>The largest 12KB of Jumbo packets IEEE;</p> <p>802.1d(STP)/802.1w(RSTP)/802.1s(MSTP);</p> <p>Broadcasting storm control;</p> <p>Port mirroring, ingress and egress can be mirrored at the same time</p>
Flow control	Support IEEE 802.3x(full duplex flow control) and back pressure flow control (half duplex)
DBA	<p>Bandwidth granularity is 64kbit/s</p> <p>Support fixed bandwidth/guaranteed bandwidth/maximal bandwidth, delay priority and etc SLA parameter</p>
Multicast	<p>SCB (Single Copy Broadcast) ;</p> <p>IGMP V1/V2;</p> <p>IGMP Snooping and IGMP Proxy;</p> <p>1000 multicast groups;</p> <p>Multicast source port control;</p> <p>Multicast authority control;</p> <p>The pre-joining and fast-leave of IGMP members;</p> <p>Static multicast</p>
Link aggregation	<p>IEEE 802.3ad(Link aggregation)</p> <p>128 aggregation groups, each group support 8 members</p> <p>Traffic balancing based on layer-2 or layer-3</p> <p>Traffic balancing based on MAC, VLAN, Ethernet type, destination IP address, TCP/UDP port</p>
QoS	<p>IEEE802.1p and DSCP, each port provides 8 priority queue</p> <p>Priority tag adding, modifying and deleting based on ACL policy</p> <p>Queue scheduling based on SP, WRR and WDRR</p> <p>Rate-limiting of service traffic based on ACL policy</p> <p>Traffic shaping</p>