

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>
ACL	<p>ACL policy based on port, MAC, IP, TCP/UDP port number and ToS/Diffserv;</p> <p>Service sensing, deep packet inspection, resolution of the front 128-byte of any packet</p> <p>Up to 840bit width of the characters match</p> <p>8k~256k pieces of ACL policy</p> <p>VLAN and dual VLAN tag adding, deleting and modifying based on ACL policy</p>
Security	<p>AES/triple churning encrypt of PON link, support dynamic key;</p> <p>Broadcast storm control, rete-limiting of broadcasting , unknown unicast or multicast based on message or byte;</p> <p>Message filter and rate-limiting based on ACL policy</p> <p>Anti-DOS attack based on hardware, including Land attack, ping flood, SYN-ACK flooding, smurf attack</p>
Reliability	<p>Support MCU/SW card 1+1 redundancy;</p> <p>Eth-Trunk and E-Trunk for uplink ports from same or different slots, or from different devices;</p> <p>PON port protection bwteen two service cards;</p> <p>50ms-level fast ring protection;</p> <p>50ms-leve 1+1 optical trunk link protection;</p> <p>20ms-level whole optical protection;</p> <p>Power supply hot backup</p>
Management	<p>UniView DA network management platform based on SNMP V1/V2c;</p> <p>Local CONSOLE and remote telnet management;</p> <p>In-band and out-of-band management, the management VLAN ID and priority are configurable;</p> <p>The proprietary technology of SNMP over OAM realizes the management of any type of ONU which supports SNMP protocol</p>
Maintenance	<p>Alarm and performance statistics, traffic monitoring, loopback test, dying gasp;</p> <p>Ethernet port loopback detection;</p> <p>ONU automatic configuration, batch configuration;</p> <p>Scheduled ONU automatic update and batch update remotely;</p> <p>Remote Ethernet line detection, such as short circuit, open circuit, and the location of failure;</p> <p>SMS alarm notification;</p> <p>OLT PON Optical power detection, on-line monitor OLT TX/RX optical power;</p> <p>Rogue ONU detection</p>