



SmartAX MA5694/MA5698

The SmartAX MA569X series products (SmartAX MA5694/MA5698) are ONUs of high reliability. They support dual upstream PON ports to implement network protection and apply to production networks having high reliability requirements. In the downstream direction, GE, FE, E1 service ports are supported, meeting multi-service access requirements. These series ONUs have high environment adaptability and are easy to install and maintain.

Product Appearance



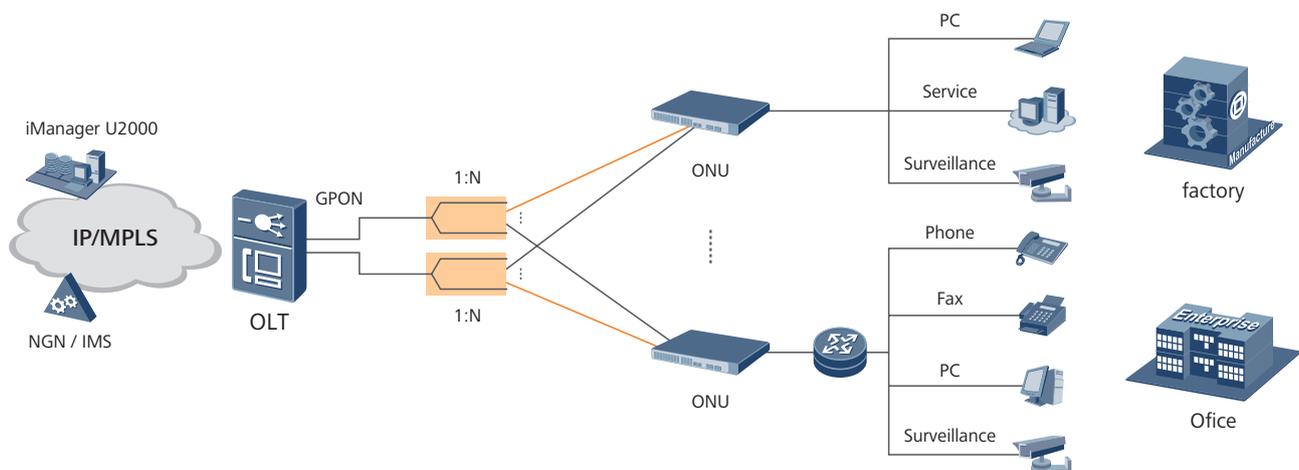
MA5694



MA5698

Application Scenarios

The MA5694 and MA5698 connect to OLTs through GPON/EPON/GE ports in the upstream direction, and to production servers, data collection terminals, and security cameras through ADSL2+/VDSL2/FE ports in the downstream direction. In the upstream direction, the MA5694 and MA5698 connect to OLTs through dual PON ports, forming dual-link protection. These series ONUs are capable of providing enterprise private line services through E1 ports.



Highlights

High-reliability design

- Dual upstream PON ports support Type B, Type C, and Type D PON network protection, improving network reliability.
- The 1588v2 and synchronous Ethernet stratum 3 clock system is supported.
- The MA5698 supports power backup using batteries. When the AC power supply is cut off, batteries supply power to the MA5698, improving system stability.
- Flexible service configuration
- Two SFP optical modules are used in the upstream direction, supporting GPON/EPON/GE auto-negotiation.
- The downstream GE ports support optical and electrical modes and COMBO functions

Key Features

GPON	Complies with ITU G.984 standards 32 T-CONTs 1000 GEM ports
GE	Complies with IEEE 802.3ab and IEEE 802.3 z standards Support single and multi mode, support full duplex and self-adoption mode
Broadband	4K VLANs, supporting QinQ and stacking VLANs 16K MAC addresses 802.1p, supporting PQ and WRR flow control, and ACL
Layer 2	Support IEEE802.1q, IEEE802.1p, IEEE 802.3ad, and IEEE 802.1ab Support MSTP, LACP, L2VPN Support 9K Jumbo frame Support layer 2 transparent Support MEF, E-Line, E-LAN, E-Tree
QOS	Support traffic classification based on VLAN, 802.1p, and VLAN+802.1p Support 8 priority queues per user port
Security	PPPoE+ and DHCP option82/60 Static MAC address binding Anti-MAC and anti-IP spoofing; source MAC address and IP address filtering Anti-DOS attack, firewall and subscriber isolation Rogue ONU self diagnose and isolation
Maintenance and management	Supports SNMPv1, SNMPv2, and SNMPv3 Supports Telnet and SSHv2 Support Y.1731, 802.3ah and 802.1ag Remote and batch pre-deployment Remote upgrade and monitoring

Specifications

Product	 MA5694	 MA5698
W/D/H	250x180x43.6mm	442x245x43.6mm
Network-Side Port	2 x SFP, GPON/EPON/GE Three-mode auto-negotiation One GE port supports GE optical and electrical combo.	2xSFP, GPON/EPON/GE Three-mode auto-negotiation
User-Side Port	4xGE, two GE support COMBO (electric and optical)	4xGE, two ports support COMBO of electrical and optical; Two service slots, each support 8E1 or 8FE card
Working Temperature	-40°C ~ +55°C	-40°C ~ +65°C
Lightning Protection	6kV	6kV
Power Supply	AC: 220V; DC: -48V	AC: 220V; 2*DC: -48V; Backup: 12V DC
Power Consumption	20W	40W

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