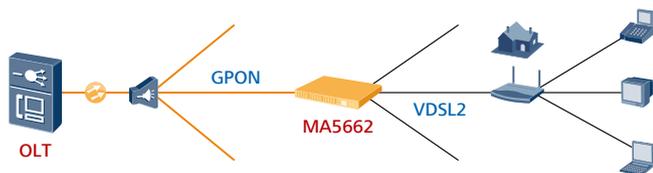




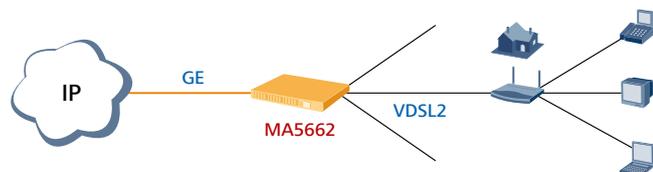
SmartAX MA5662

The SmartAX MA5662 (the MA5662 for short) is the first integrated multi dwelling unit (MDU) used in field areas in the industry. With the IP66 protection level, the MA5662 launched by Huawei provides broadband services on Fiber To The Building (FTTB) and Fiber To The Curb (FTTC) networks. The MA5662 is a cabinet-type product providing 2*GE or 1*GE+1*GPON uplink ports and 48*VDSL2 ports and providing high-speed Internet access, IPTV, and voice over IP (VoIP) services for family users and small to medium enterprise users. The MA5662 does not require any outdoor cabinets, features a broad temperature range, low power consumption, mute design, high stability, environment-friendly, and energy conservation, and can be used in any installation scenario, facilitating installation and maintenance.

Usage Scenario



The MA5662 connects to the optical line terminal (OLT) through a GPON uplink port and connects to users through VDSL2 ports, providing Internet access, IPTV, and VoIP services for users.



The MA5662 connects to the IP metropolitan area network (MAN) through a GE uplink port and connects to users through VDSL2 ports, providing high-speed Internet access, IPTV, and VoIP services for users.

Appearance



MA5662

Highlights

- Strong protection capabilities (water-proof, dust-proof, and corrosion-proof) with the level of IP66, fully meeting field application requirements.
- Support for operating temperature range (-40°C to 70°C), applicable to extreme weathers and various regions.
- Six-kV lightning protection capability, applicable to thundery and rainy areas.
- Plug-and-play (PnP) service provisioning: The MA5662 allows remote issuing of configuration. A management channel and service channel are created after the MA5662 is powered on and registers successfully. Manual onsite configuration is not required.
- Operable IPTV services: Strong service switching capability, packet forwarding capability, and high integration (data exchange and user management) enable the MA5662 to have carrier-class multicast operation capability.

- Efficient management and maintenance: free of field software commissioning, remote acceptance, remote upgrade and patch installation, and remote fault location.
- Carrier-class reliability design: Hardware design, software design, and system design meet reliability requirements, ensuring normal operating of the MA5662.
- Prudent security measures: The MA5662 meets security requirements of telecom services to ensure system and user security.
- Supports for metal shell; no fans; noise-free passive cooling; low failure rate.
- Assistant installation tools, requiring only 20 minutes for installation.

Features

GPON	ITU G.984-compliance
	8 T-CONTs
	128 GEM ports
Broadband	2048 VLANs, supporting QinQ and stacking VLANs
	4096 MAC addresses, supporting VMAC
	VLAN switching
	Conversion from PPPoA to PPPoE and from IPoA to IPoE
	802.1p, supporting PQ and WRR flow control, and ACL
ADSL2 line	G993.2-compliance
	8a, 8b, 8c, 8d, 12a, 12b, and 17a profiles
	2-pair VDSL2 bonding
Multicast	IGMPv2 and IGMPv3
	IGMP proxy and IGMP snooping
	A maximum of 1000 configurable multicast programs in the system
	A maximum of 96 multicast users
	A maximum of 16 concurrent multicast programs for each user
Security	PPPoE+ and DHCP option82
	Static and dynamic MAC address binding
	Anti-MAC and anti-IP spoofing; source MAC address and IP address filtering
	Anti-DoS attack and firewall
Maintenance and management	SNMPv1, SNMPv2, and SNMPv3
	Telnet and SSHv2
	Remote and batch pre-deployment
	Remote upgrade and monitoring

Specifications

Dimensions (HxWxD)	152mmx550mmx420mm
Network-side port	<ul style="list-style-type: none"> • 1*GPON + 1*GE (optical) • 2*GE (optical)
User-side port	48*VDSL2 over POTS, built-in 600-ohm splitter
Operating temperature	-40°C to 70°C; startup at -40°C
Humidity	5% to 95% (non-condensing)
Heat dissipation mode	No fans; passive cooling
EMC standards	EN 55022 Class B
Protection level	IP66
Security level	IEC60950-1, EN60950-1, IEC60825-1/2, and GB4943
Power supply	AC: 220 V/110 V DC: -48 V dual input
Weight	20 kg