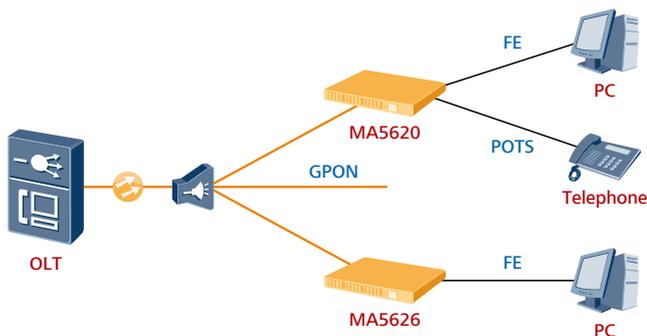


SmartAX MA5620 and SmartAX MA5626

The SmartAX MA5620 (the MA5620 for short) and SmartAX MA5626 (the MA5626 for short) are industry-leading remote multi dwelling units (MDUs) launched by Huawei, which provide broadband services and IP voice services on the Fiber To The Building (FTTB) network for family users and small to medium enterprises. The MA5620 and MA5626 are box-type devices. Each of them provides two GPON or GE uplink ports and supports 8-channel, 16-channel, or 24-channel LAN access (LAN:POTS = 1:1). They feature broad temperature range, low power consumption, mute design, high stability, environment-friendly and energy conservation, and can be used on workbenches and installed in corridors and cabinets, facilitating installation and maintenance.

Usage Scenario



The MA5620 and MA5626 are used on an FTTB network and are installed in a network cabinet in a corridor. They connect to the optical line terminal (OLT) through GPON uplink ports and connect to PCs by using category-5 cables to provide high-bandwidth broadband, voice, and video services and connect to telephones by using twisted pairs to provide plain old telephone service (POTS) services.

Appearance



MA5620 24 × FE + 24 × POTS



MA5620 16 × FE + 16 × POTS



MA5620 8 × FE + 8 × POTS



MA5626 24 × FE



MA5626 16 × FE



MA5626 8 × FE

Highlights

- Automatic adaptation to GPON and GE modes: Each of them provides two uplink ports using the small form-factor pluggable (SFP) optical modules to meet different site requirements.
- Rich specifications: They fully meet requirements for pure LAN access service or voice service on an FTTB network, inherits traditional voice services, and supports migration of narrowband users.
- Plug-and-play (PnP) service provisioning: They allow remote issuing of configuration. A management channel and service channel are created after each of them is powered on and registers

successfully. Manual onsite configuration is not required.

- Strong QoS capability: Support bandwidth management based DBA, flexible service mapping and accurate service management base the flow. The strong quality of service (QoS) capability provides the user difference service experience.
- High performance IPTV services management: Strong service switching capability, packet forwarding capability, and high integration (data exchange and user management) enable them to have carrier-class multicast operation capability.
- Perfect voice features, supporting basic services (voice service, fax service, and modem service) and supplementary services (three-

way calling, call waiting, call transfer, calling line identification presentation, and calling number restriction).

- Efficient management and maintenance: free of field software commissioning, remote acceptance, remote upgrade and patch installation, and remote fault location.
- Environment-friendly and energy conservation: Each of them uses a highly effective power supply system to reduce system power consumption. Each of them uses passive cooling without any fans to reduce device power consumption. Each of them uses POTS short-loop design to reduce port power consumption in short distances.

Features

| | |
|----------------------------|--|
| GPON | ITU G.984-compliance |
| | 32 T-CONTs |
| | 1000 GEM ports |
| Broadband | 4096 VLANs, supporting QinQ and stacking VLANs |
| | 4096 MAC addresses, supporting VMAC |
| | 802.1p, supporting PQ and WRR flow control, and ACL |
| Voice | SIP and H.248 |
| | POTS short-loop design |
| Multicast | IGMPv2 and IGMPv3 |
| | IGMP proxy and IGMP snooping |
| | A maximum of 1024 configurable multicast programs in the system |
| | A maximum of 48 multicast users |
| Security | A maximum of 16 concurrent multicast programs for each user |
| | PPPoE+ and DHCP option82 |
| | Static and dynamic MAC address binding |
| | Anti-MAC and anti-IP spoofing; source MAC address and IP address filtering |
| Maintenance and management | Anti-DoS attack and firewall |
| | SNMPv1, SNMPv2, and SNMPv3 |
| | Telnet and SSHv2 |
| | Remote and batch pre-deployment |
| | Remote upgrade and monitoring |

Specifications

| | MA5620 | MA5626 |
|---------------------------------|--|--|
| Dimensions (HxWxD) | 43.6mm×442mm×220mm | 43.6mm×442mm×220mm (24×FE and 16×FE) 43.6mm×250mm×220mm (8×FE) |
| Network-side port | Each of them provides two uplink ports that use the SFP optical modules and automatically adapt to GPON and GE modes. The two uplink ports can be configured as follows: <ul style="list-style-type: none"> • 2×GPON • 2×GE (optical) • 1×GE (optical) + 1×GPON | |
| User-side port | <ul style="list-style-type: none"> • 24×FE + 24×POTS • 16×FE + 16×POTS • 8×FE + 8×POTS | <ul style="list-style-type: none"> • 24×FE • 16×FE • 8×FE |
| Operating temperature | -40°C to 55°C; startup at -25°C | |
| Humidity | 5% to 95% (non-condensing) | |
| Heat dissipation mode | No fans; passive cooling | |
| Power supply | AC: 220V/110V | |
| Lightning protection capability | LAN: 6kV; POTS: 4kV | |
| Weight | 24 ports: 2.3kg 16 ports: 2.29kg 8 ports: 2.28kg | 24 ports: 1.92kg 16 ports: 1.91kg 8 ports: 1.15kg |