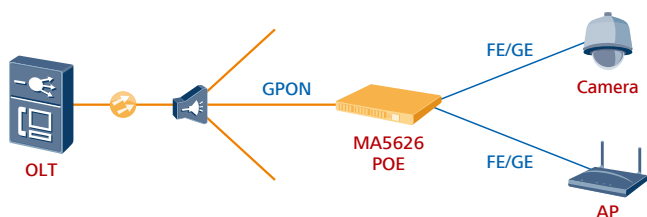


SmartAX MA5626 PoE

The SmartAX MA5626 Power over Ethernet (the MA5626 PoE for short) is an industry-leading remote multi dwelling unit (MDU) launched by Huawei, which is used on a passive optical network (PON) and provides wireless fidelity (Wi-Fi) coverage in Fiber To The Building (FTTB) hotspots and supplies power for access points (APs) or video cameras used for safety city construction. The MA5626 PoE is a box-type device measuring 1-U high and 19-inch wide, providing two GPON or GE network ports and four GE and FE (total eight) LAN user ports, and supplying power for terminals by using category-5 cables. The MA5626 PoE features easy installation and maintenance, high power output, high bandwidth, integration, mute design, and high stability.

Usage Scenario



Applied in FTTB construction scenarios and placed in network cabinets in corridors, the MA5626 PoE connects to the optical line terminal (OLT) by using gigabit-capable passive optical network (GPON) ports and to IP cameras or APs by using category-5 cables, providing a channel for transporting video or Wi-Fi services and supplying power for terminals by using category-5 cables and the PoE technology.

Appearance



MA5626 PoE

Highlights

- Hotspot Wi-Fi coverage and video monitoring scenarios: Support for the PoE function and power supply by using category-5 cables, reducing cost and dependence on power supply equipment compatibility and achieving minimum project input and fast deployment.
- Four GE ports can be connected to 802.11n APs with a maximum data rate of 600 Mbit/s.
- Easy installation: integrated PoE equipment and alternating current (AC) power input.
- Support for high-power equipment: Any port on the MA5626 PoE can connect to either 30 W (802.3a) or 15 W (802.3af) terminals.
- Automatic adaptation to GE and GPON modes: The two uplink ports using the small form-factor pluggable (SFP) optical modules can automatically adapt to GE and GPON modes, meeting different networking requirements.
- Plug-and-play (PnP) service provisioning: The MA5626 PoE allows remote issuing of configuration. A management channel and service channel are created after the MA5626 PoE is powered on and registers successfully. Manual onsite configuration is not required.
- 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 MA5626 PoE.

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
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

Dimensions (H×W×D)	43.6mm×442mm×220mm
Network-side port	The MA5626 PoE 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	4×GE (electrical) +4×FE (electrical)
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
PoE power supply	30W (802.3at) and 15W (802.3af)
Lightning protection capability	6kV
Weight	3.5kg