

SmartAX MA5628 (Integrated)

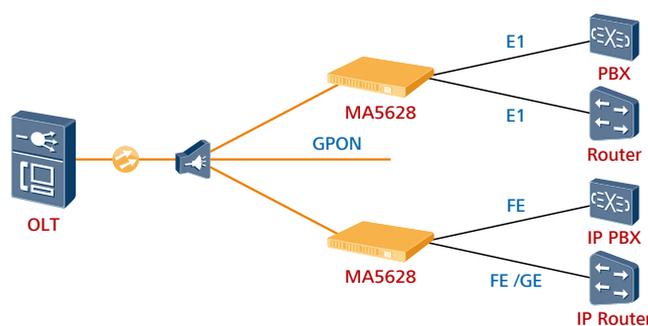
The SmartAX MA5628 (the MA5628 for short) is an industry-leading integrated multi dwelling unit (MDU) launched by Huawei, which provides leased line services on a passive optical network (PON). The MA5628 is an AC-powered cabinet-type product supporting 2*GPON uplink ports and 4*GE+4*E1 user ports. The MA5628 does not require any outdoor cabinet, features a broad temperature range, low power consumption, mute design, high stability, environment-friendlily and energy conservation, and can be installed in corridors and outdoor, facilitating installation and maintenance.

Appearance



MA5628 (Integrated)

Usage Scenario



Enterprise leased line scenario

For a traditional private branch exchange (PBX) and router, the MA5628 provides a TDM E1 port to transmit leased line services to the OLT by using the native TDM technology. For an IP PBX and

router, the MA5628 provides an FE or GE port to transmit leased line services to the OLT by using Layer 2 transparent transmission technology.

Highlights

- Integrated access device; not requiring any outdoor cabinet; flexible deployment.
- Advanced passive cooling without noises, applicable to noise-sensitive communities.
- Support for multiple clock synchronization technologies, such as synchronous Ethernet, E1 line clocks and GPON line clocks.
- Operable IPTV services: Strong service switching capability, packet forwarding capability, and high integration (data exchange and user management) enable the MA5628 to have carrier-class multicast operation capability.
- Plug-and-play (PnP) service provisioning: The MA5628 allows remote issuing of configuration. A management channel and service channel are created after the MA5628 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.
- High reliability: The MA5628 supports the working temperature from -40°C to 55°C, 6 kV lightning protection, and corrosion-proof design of boards.
- Prudent security measures: The MA5628 meets security requirements of telecom services to ensure system and user security.
- Assistant installation tools, requiring only 20 minutes for installation.

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
Leased line service	Native TDM
	Clock source recovery of the E1 port
	Loopback, blocking and unblocking of the E1 port
Multicast	IGMPv2 and IGMPv3
	IGMP proxy and IGMP snooping
	A maximum of configurable 1024 multicast programs in the system
	A maximum of 48 multicast users
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 (WxDxH)	450mm×305mm×110mm
Network-side port	2*GPON
User-side port	4*GE/FE (electrical) + 4*E1
Operating temperature	-40°C to 55°C; startup at -25°C
Humidity	5% to 95% (non-condensing)
Heat dissipation mode	No fan; passive cooling
Lightning protection capability	6 KV
EMC standards	EN 55022 Class B
Protection level	IP65
Power supply	AC: 220V/110V
Weight	≤ 9 kg