



SmartAX MA5628

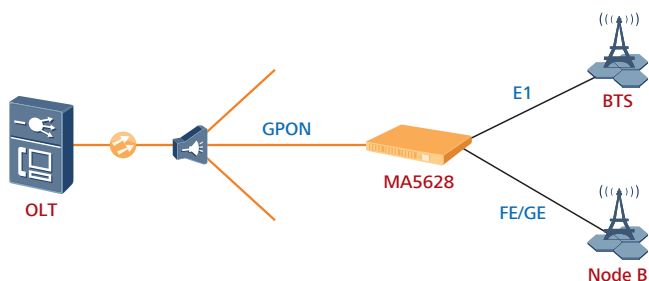
The SmartAX MA5628 (the MA5628 for short) is an industry-leading remote multi dwelling unit (MDU) launched by Huawei, which provides leased line services on a passive optical network (PON). The MA5628 is a box-type device measuring 1-U high and 19-inch wide and providing two GPON uplink ports, four GE or FE ports, and four E1 ports. The MA5628 features a 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, meeting leased line service deployment of customers.

Appearance



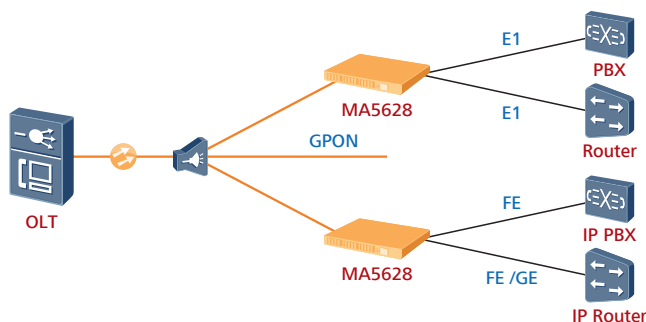
MA5628

Usage Scenario



Base station leased line scenario

For a base transceiver station (BTS), the MA5628 provides a time division multiplexing (TDM) E1 port to transmit BTS services to the optical line terminal (OLT) by using the native TDM technology. For a Node B, the MA5628 provides an FE or GE port to transmit Node B services to the OLT by using the virtual local area network (VLAN) transparent transmission technology.



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

- 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.

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	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 (HxWxD)	43.6mmx442mmx245mm
Network-side port	<ul style="list-style-type: none"> • 2xEPON • 2xGPON
User-side port	4xGE/FE (electrical) + 4xE1
Operating temperature	-40°C to 55°C; startup at -25°C
Humidity	5% to 95% (non-condensing)
Heat dissipation mode	Not providing fans; passive cooling
Lightning protection capability	6 KV
Power supply	AC: 220V/110V DC: -48V
Weight	1.5 kg