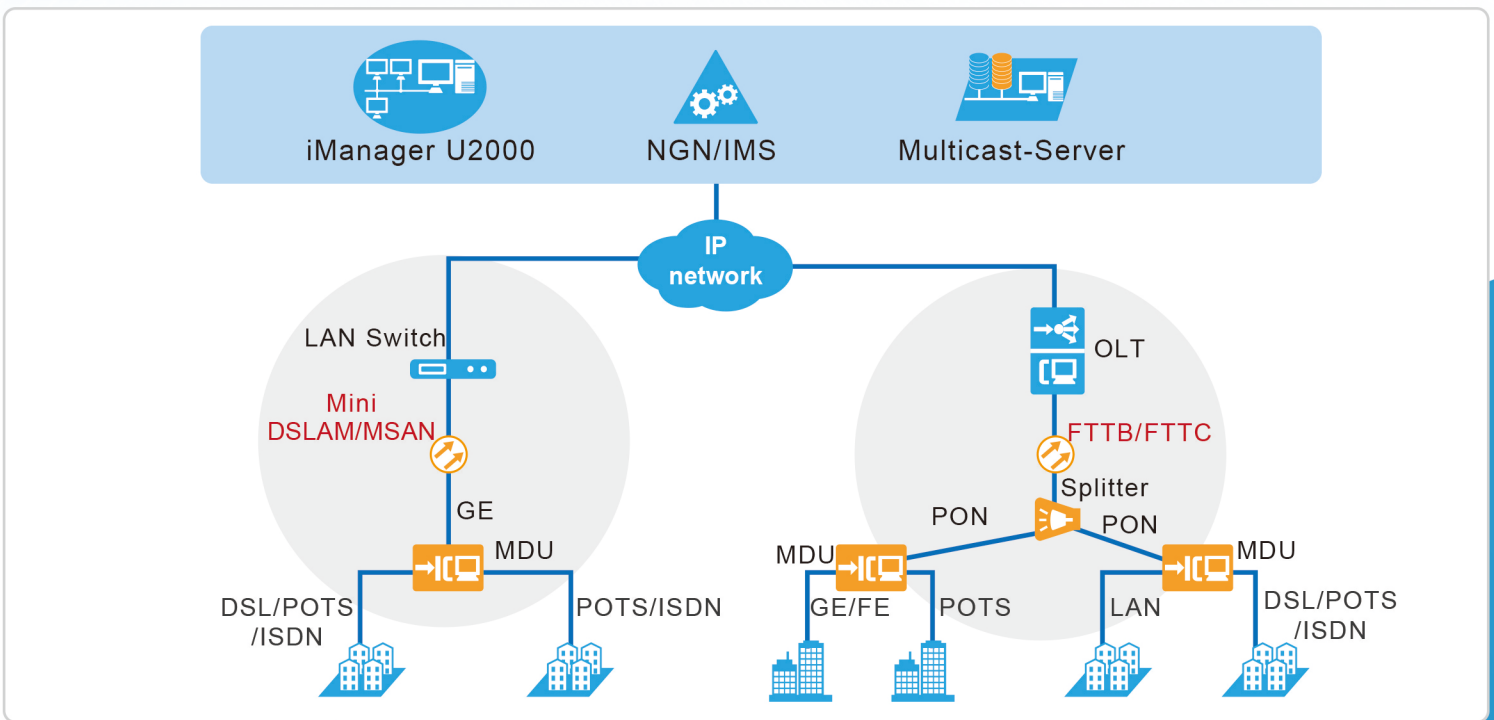
MA5616 Product Description

Huawei SmartAX MA5616 Multi-service Access Module (MA5616 for short) is a leading remote Multi-Dwelling Unit (MDU) product, which provides various types of ports on the passive optical network (PON) and 10G PON and meets multiple service requirements. It applies in fiber to the building (FTTB) and fiber to the curb (FTTC) scenarios. It can also function as a mini-digital subscriber line access multiplexer (DSLAM) or multiservice access node (MSAN).

Usage Scenario

The MA5616 provides two GPON or GE upstream ports and provides multiple services by supporting flexible board configurations. The MA5616 provides broadband, voice, and video services through ADSL2+/VDSL2/FE boards, voice services through POTS boards, leased line services through SHDSL or P2P boards.



Product Highlights

High-density Access

Supports the following users:
-A maximum of 256-channel POTS users
-A maximum of 256-channel ADSL2+ users
-A maximum of 256-channel VDSL2 users
-A maximum of 64 FE users

High-speed Access

-Vectoring cancels crosstalk between multi-pair VDSL lines.
-Vectoring increases VDSL2 line rates.
-SuperVector is supported

Flexible Service Configuration

-Improves access density.
-Reduces the equipment room space.
-Simplifies routing.

PSTN Network Reconstruction

-Provides bandwidth access during PSTN network recon struction.
-Reduces CO equipment room rents for outdoor cabinet reconstruction.

Wide Applicability

-Supports the wide temperature range, low power consumption, and silent design.
-Can be installed in corridors, cabinets, indoors, and outdoors.

High Reliability

-Supports powerful surge protection, lowering the rate of failures caused by lightening.
-Supports the anticorrosion design, prolonging the device lifecycle.

Eco-friendly and Energy-saving

-Provides high-performance power supply, lowering the system power consumption.
-Supports intelligent fan speed adjustment, effectively lowering the power consumption at off-peak hours.
-Provides high-performance chipset, lowering the chip power consumption.
-Supports POTS short-loop design, effectively lowering the port power consumption at a short distance.

High-efficiency OAM

-Issues configurations remotely, supporting remote commissioning.
-Supports plug and play (PnP).
-Supports remote acceptance, upgrade by patch loading, and fault locating.

Device Parameters

H x W x D	88.1 mm x 442 mm x 245 mm (without mounting ears)
Weight	≤ 4.8 kg (empty chassis); ≤ 9.1 kg (chassis in full configuration)
Ambient temperature	-40°C to +65°C; -25°C (start)
Ambient humidity	5% RH to 95% RH (non-condensing)
Power parameters	DC power supply: -38.4 V DC to -72 V DC AC power supply: 90 V AC to 264 V AC
Backup power	Supports 48 V backup power. Supports lead-acid and Fe-lithium batteries.