



MA5818 at a Glance

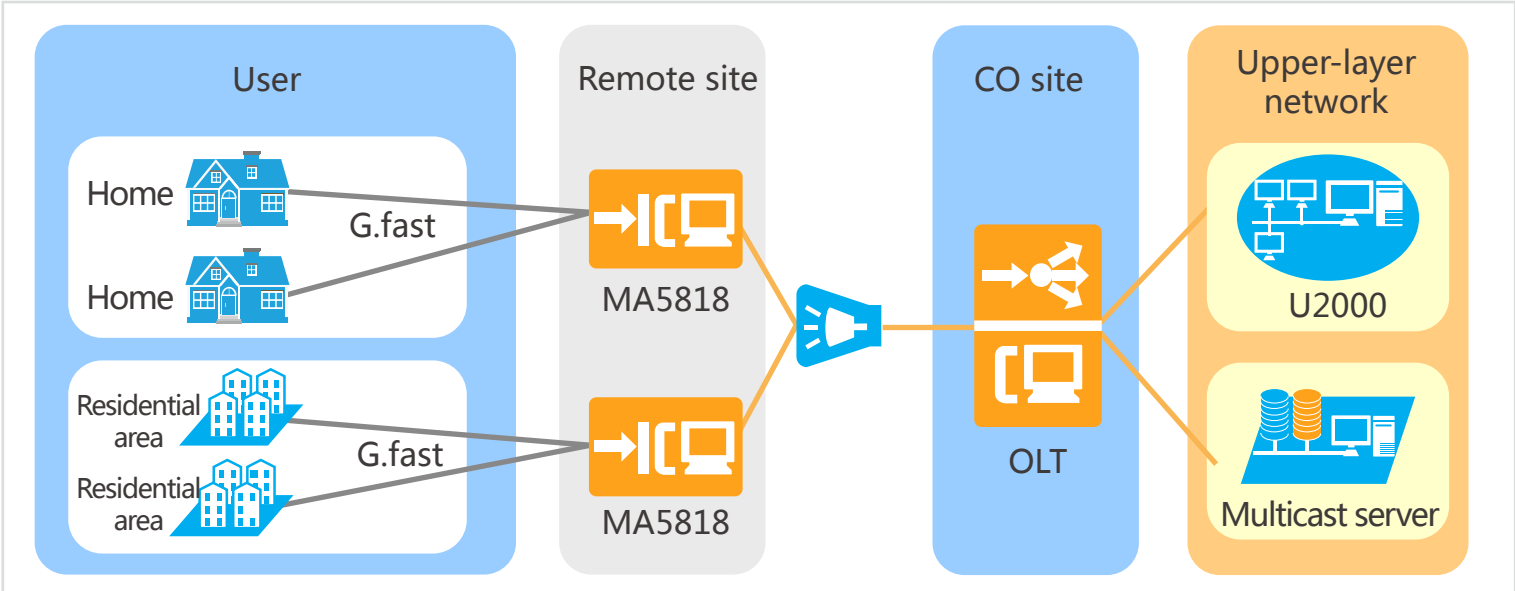
Product Overview

Huawei SmartAX MA5818 (MA5818 for short) is a new-generation multiservice access device designed for gigabit access. It supports ultra broadband access and flexible capacity expansion. The MA5818 provides G.fast user ports and can be used in fiber to the building (FTTB), fiber to the curb (FTTC), and fiber to the door (FTTD) scenarios that demand high bandwidth access.

Device Appearance



Application Scenario



Product Highlights



Ultra-High Bandwidth

- Supports 20 Gbit/s upstream transmission and 1 Gbit/s access.
- Pioneers the use of G.fast, an innovative high-bandwidth copper access technology. G.fast uses wider spectrums and meets bandwidth requirements by utilizing legacy copper lines.
- G.fast allows carriers to define upstream and downstream rates, and use existing copper resources to support new services such as home video communications, remote home surveillance and security protection, and city surveillance.



Flexible Capacity Expansion

- Provides separate VP slots to support smooth capacity expansion.
- Adopts the innovative G.fast board-inserted design, enabling on-demand G.fast deployment.



Fast deployment

- Maximizes the use of existing copper resources to support future bandwidth demands and avoid the difficulty of deploying fibers to homes.
- G.fast is compatible with VDSL2, allowing live-network users to smoothly upgrade. Moreover, G.fast lines consume less power than VDSL2 lines.



Easy Maintenance and Management

- Supports remote software commissioning, offline deployment, and plug and play (PnP).
- Supports remote fault locating, troubleshooting, and batch upgrade.
- Supports mature FTTx network management mode, in which G.fast lines support and inherit the mature xDSL line diagnosis and line tests.

Device Parameters

H x W x D	88.1 mm x 442.0 mm x 245.0 mm (excluding mounting ears) 88.1 mm x 482.6 mm x 245.0 mm (including mounting ears)
Weight	≤ 3.4 kg (empty chassis) , ≤ 11.2 kg (chassis in full configuration)
Ambient temperature	-40°C to 65°C; -25°C (startup) , -40°C to +65°C The device can start up at a lowest temperature of -25°C and run at a lowest temperature of -40°C
Ambient humidity	Non-condensing; 5% RH to 95% RH
Power supply	AC : 90V ~ 264V DC : -38.4V ~ -72V