

**OPTICAL LINE  
TERMINAL**



**BY FIBER SYSTEM**

**PRODUCT MANUAL**

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HUAWEI OLT MA5608T 10G GPON

# HUAWEI OLT MA5608T

## 10G GPON

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# Product Overview

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Huawei MA5608T is an aggregation optical line terminal (OLT), supports up to 2 service slots and can support a maximum of 4096 subscribers (GPON). A typical MA5608T configuration includes an MA5608T chassis, an MCUD main control board (GE uplink), an AC power board MPWD, an 8-port GPON GPON GPBD (with C+SFP module). In addition to that typical configuration, vtek also offers more package lines, to meet its different requirements in various scenarios. In addition, vtek provides the self-configuration page, where you can configure your own MA5608T by selecting dashboards and items yourself. With our professional technical support to enrich your experience. The MA5608T is an integrated fiber and copper access device, and can serve as a mini-OLT or mini DSLAM.

The MA5608T, if operating as a mini-OLT, supports GPON and GPG 10G access modes. It can be installed in a residential neighborhood or on the street, reducing the use of ODN optical cables, reducing the cost and difficulty of implementing ODN. and minimizes co-equipment room space.

The MA5608T, if operating as a mini-DSLAM, supports ADSL2+, VDSL2, SHDSL, and POTS access modes and provides Internet access, voice, and video services.

# Main Characteristics

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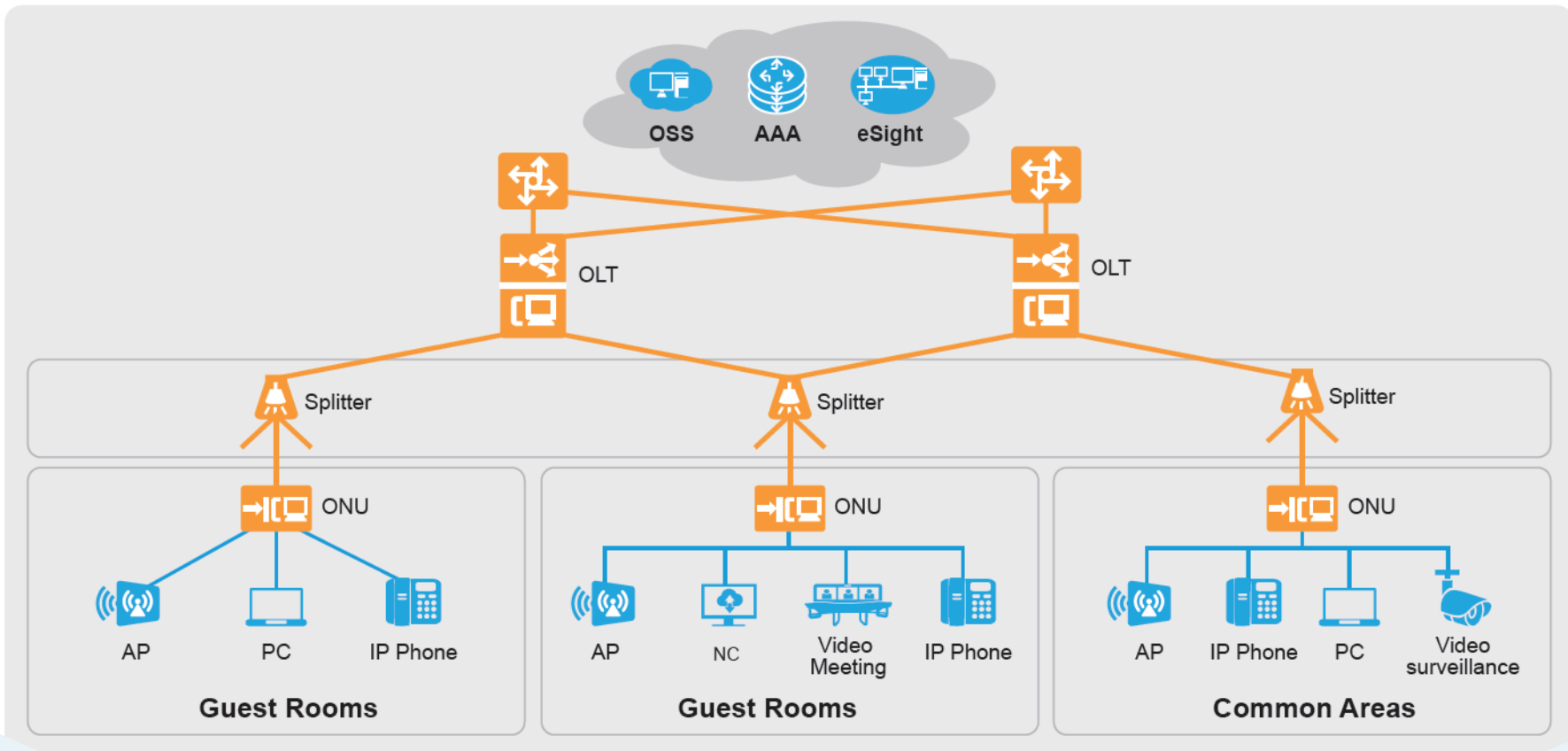
- Chassis supports 2 service slots
- A power slot, can provide 2-port DC redundancy or AC and DC redundancy (battery)
- Two-slot redundancy for the main control board
- Supports GPON, EPON and P2P (optical access); xDSL and POTS (copper access)
- GPON and EPON support simultaneously
- Support 8-GPON GPBD port interface card, 16 GPON GPFD port interface card
- Support GPON split ration 1: 128
- GE uplink support (integrated into MCUD main control board) or 10GE uplink (integrated into MCUD1 main control board)

# Technical Specifications

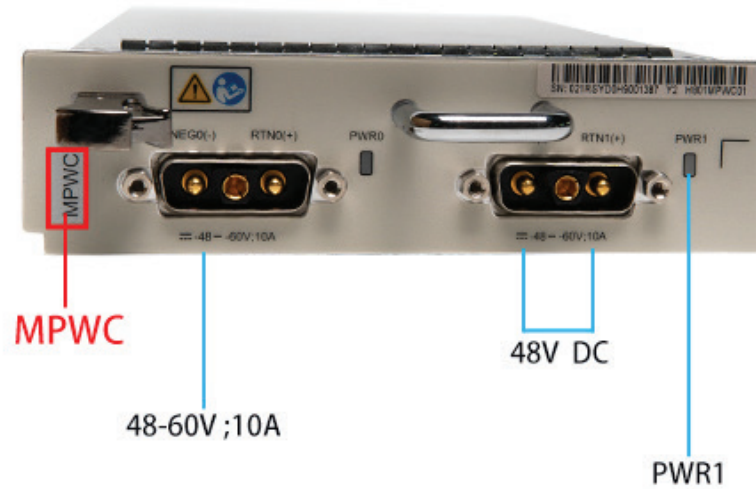
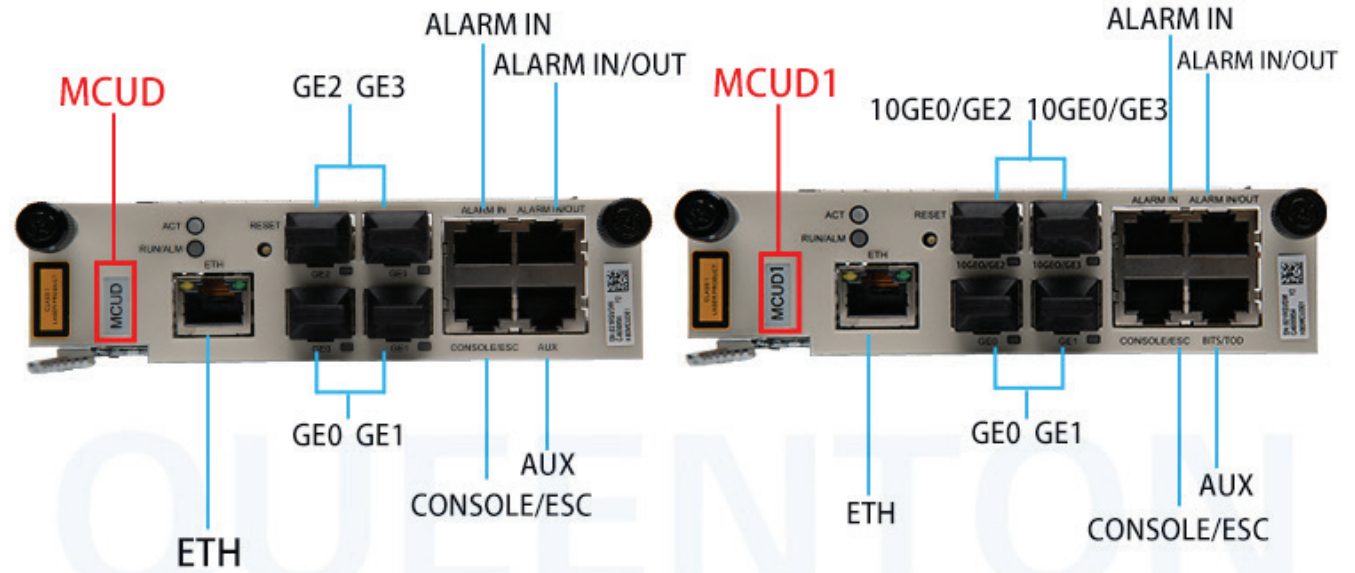
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<b>Dimensions (H x W x D)</b>	447 x 490 x 275.8 mm	263 x 442 x 283.2 mm	88 x 442 x 233.5 mm
<b>Operating environment</b>	-25oC to +55oC 5% HR to 95% HR	-40oC to +65oC 5% HR to 95% HR	-40oC to +65oC 5% HR to 95% HR
<b>Power</b>	-48 V DC power input Dual power supply protection Operating voltage range from -38.4V to -72V	-48 V DC power input Dual power supply protection Operating voltage range from -38.4V to -72V	-48 V DC power input Dual power supply protection Operating voltage range from -38.4V to -72V
<b>Switching capacity - Backplane Bus</b>	3.2 Tbit/s	1.5 Tbit/s	720 Gbit/s
<b>Switching capacity - Control board</b>	1,920 Gbit/s	960 Gbit/s	512 Gbit/s
<b>Access capacity</b>	GPON 64 x 10G 256 x GPON 256x GEAPON	24 x 10G GPON 96 x GPON 96x GEAPON	8 x 10G GPON 32 x GPON 32x GEAPON
<b>Port type</b>	Upstream ports: 10 GE optical/electric ports Service ports: GPON optical port, FE P2P optical port, GE P2P optical port and Ethernet optical port		
<b>System performance</b>	Layer 2 /Layer 3 Line Speed Forwarding Static route, RIP, OSPF and MPLS Clock synchronization schemes: BITS, E1, STM-1, Ethernet clock synchronization, 1588v2 and 1PPS + ToD Maximum division ratio of 1: 256 Maximum logical distance between devices: 60 km		

# OLT Applications



# Interfase Diagram





Matriz (China):  
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