



SmartAX MA5801

Optimized Lightweight OLT for Rapid Network Construction

- The popularization of broadband networks has led fiber access nodes to be continuously moved downwards, and OLTs to be deployed closer to users. Deployment scenarios are varied and complex, so operators urgently require smaller and lower-density OLTs to meet different requirements.
- The MA5801 is a box-shaped OLT featuring small size and low density. It provides multiple FTTH solutions, and can be flexibly used in various scenarios, meeting demands on economical, efficient, and fast network construction.
- MA5801-GP08 and MA5801-CG04. The release version supports only MA5801-GP08, which provides 8 GPON ports.

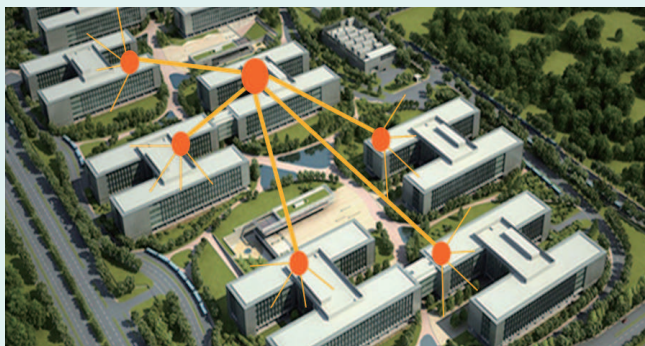


Fixed-Mobile Convergence, Reusing Cabinet Space Installed at Base Stations

When constructing FTTH networks, mobile carriers can fully utilize their already deployed backhaul network resources and cabinet space to deploy the MA5801 in mobile cabinets and route drop cables at a short distance. In this way, nearby households can be covered, and rapid deployment is enabled.

Universal Coverage, Enabling Rapid Deployment in Low-density Areas


Rural areas have low population densities. In these areas, the MA5801 can be used together with C++ GPON optical modules (high optical power budget) and the one-stop outdoor site solution to implement rapid FTTH network coverage over long distances. In areas where no backbone optical fibers are routed, the MA5801 can be used together with the microwave backhaul solution to implement highly reliable FTTH network access over long distances.



Private Line Access in Enterprise Campuses, Supporting Flexible Deployment and Management

Carriers can use the MA5801 to construct, operate, and maintain optical networks inside enterprise campuses. Alternatively, carriers can lease optical networks to campuses or enterprises to provide all-optical access services inside enterprise campuses.

Technical Specifications

<div>Product</div> <div>Specification</div>	 <p>MA5801-GP08</p>
Dimensions (H x W x D)	Without mounting ears: 43.6 mm x 442 mm x 222.3 mm With IEC-standard mounting ears: 43.6 mm x 482.6 mm x 222.3 mm With ETSI-standard mounting ears: 43.6 mm x 535 mm x 222.3 mm
Power supply mode	DC power supply (dual for backup)
Rated voltage	-48 V/-60 V
Maximum input current	6 A
Ambient temperature	-40°C to +65°C* (normal operation), Minimum startup temperature: -25°C *+65°C indicates the temperature of the air intake vent of the service subrack.
Ambient humidity	5% RH to 95% RH
System Layer 2 packet forwarding rate	13 Mpps
MAC addresses	32768
ARP/Routing entries	16384
Number of service ports	8*GPON
GE upstream ports	2 optical/electrical combo ports
10GE/GE upstream ports	2

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