

Huawei MA5801-FL04-H1 OLT Datasheet	
Dimensions (W x D x H) (mm)	Excluding mounting ears: 442 x 220 x 43.6 Including IEC mounting ears: 482.6 x 220 x 43.6 Including ETSI mounting ears: 531 x 220 x 43.6
Maximum fully-loaded weight	5 kg
Power supply mode	DC power supply (dual backup) AC power supply (dual backup)
Working voltage range	DC power supply: -38.4 V to -72 V AC power supply: 100-240 V
Rated voltage	DC power supply: -48 V/-60 V AC power supply: 110 V/220 V
Maximum input current	DC power supply: 6 A AC power supply: 2.5 A
Ambient temperature	-40° C to +65° C The device can start up at a lowest temperature of -25° C. NOTE The +65° C temperature refers to the highest temperature measured at the air intake vent of a service subrack.
Ambient humidity	5%-95% RH
Atmospheric pressure	70-106 kPa
Altitude	< 4000 m. The air density varies with the altitude and will affect the heat dissipation of a device. Therefore, the working environment temperature of the device varies with the altitude.
System switching capacity	460 Gbit/s
MAC addresses	32768
Access ONT	2048
IPv4 routing table	8192
IPv6 routing table	4096
ARP table	16384
Bit error rate (BER) in full load	When FEC is enabled, the GPON BER is less than 10 e-10, and the XG(S)-PON BER is less than 10 e-12.

Upstream ports	4 GE/10GE
Service ports	16 Flex-PON
System reliability specifications	<p>System availability for the typical configuration: > 99.999% Mean time between failures (MTBF): about 45 years</p> <p>NOTE</p> <p>Due to different network environments and different boards used by devices, the preceding MTBF (45 years) of the MA5801 is only for reference. The preceding values are only for reference. For details, contact the related Huawei engineers.</p>
Power consumption	<p>DC power supply:</p> <p>Static power consumption: 72W</p> <p>Typical power consumption: 127W</p> <p>Maximum power consumption: 228W AC power supply:</p> <p>Static power consumption: 73W</p> <p>Typical power consumption: 128W</p> <p>Maximum power consumption: 229W</p> <p>NOTE</p> <p>The power consumption of a product is tested in the following conditions:</p> <p>Static power consumption: 25° C, no optical module in optical ports, and no service.</p> <p>Typical power consumption: 25° C, 4 x 10GE(10km) upstream ports, 16 x Flex-PON(XGS Combo C+) ports on the user side, full services, and maximum traffic.</p> <p>Maximum power consumption: 65° C, 4 x 10GE(10km) upstream ports, 16 x Flex-PON(XGS Combo C+) ports on the user side, full services, and maximum traffic.</p>