

Overview

Huawei SmartAX MA5800 X15 OLT is NG OLT, 19inch, with 11U height 15 service slots, 200G throughput per slot, supporting GPON, 10G PON, 40G/100G PON ready; H901BPIB subrack equipped with 2xH901MPLA, 2xH901PILA



| Slot Type | Slot No. | Total |
|---------------------------------------|-----------|-------|
| Control board (SCU) slot | 8,9 | 2 |
| Power board slot | 18,19 | 1 |
| Universal interface board (GPIO) slot | 0 | 1 |
| Service board slot | 1~7,10~17 | 15 |

Quick Specification

| | |
|---|---|
| Model | Huawei SmartAX MA5800-X15 |
| Maximum weight(including mounting brackets) | 35 kg |
| Dimensions (H x W x D) | Without hanging size: 442 0mmx287mmx486mm |
| | Excluding mounting brackets: 493x287x 486 |

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| | |
|-----------------------|---|
| | Including mounting brackets: 535x287x486 |
| Working voltage range | -38.4V DC to -72V DC Dual-power supply protection |
| MPLS PWE3 | MPLS LDP, MPLS RSVP-te, MPLS OAM, MPLS BGP IP VPN, tunnel protection switching, TDM/ETH PWE3, and PW protection switching |
| IPv6 | IPv4/IPv6 dual stack, IPv6 L2 and L3 forwarding, and DHCPv6 relay |
| Multicast | IGMP v2/v3, IGMP proxy/snooping, MLD v1/v2, MLD proxy/snooping, and VLAN-based IPTV multicast |

Product Details:

The Front Panel:



Features Huawei SmartAX MA5800-X15 provides:

- Huawei SmartAX MA5800 X15 OLT is widely recognized by operators as the FTT x network has advantages in full-service bearer, bandwidth upgrade and network maintenance. The global mainstream operators have begun to use FTTx networks for high-value enterprise customer access and mobile.
- Huawei SmartAX MA5800 X15 OLT is designed to adapt to the trend of “flat capacity and less office” in the flattening of the network and the CO room. The new generation of OLTs needs to have the capability of access aggregation and integration to achieve “one fibre full service, unified-access layer”.

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- Huawei SmartAX MA5800 X15 OLT is a unified aggregation platform for the full-service fibre access network. The new-generation OLT needs to have high-reliability networking capabilities and support three high-reliability designs on the device side, line side, and network side. At the equipment layer, all components of the OLT are designed with dual backup redundancy to prevent single point of failure.

Accessories For SmartAX MA5800-X15:

Boards and Fan Tray:

| Model name | Description |
|--------------------------|--|
| H901MPLB | 4 GE/10GE upstream transmission ports and supports load sharing. By default, MA5800 connects to upstream network through the control board |
| H901MPLA | 4 GE/10GE upstream transmission ports and supports load sharing. By default, MA5800 connects to upstream network through the control board |
| H901CKUA | stratum-3 clock functions by working with MPLB and MPLA |
| H901NXED | Enhanced 8-port 10GE upastream interface board, supporting 10GE/GE Ethernet upstream transmission. NXED is used when upstream ports currently provided in MA5800 are not enough. |
| H901CIUA | synchronous time/clock signal input&output interfaces, alarm parameter/Boolean value input&output interface. RS485 serial ports, and provides transparent transmission Ethernet ports. |
| H901GPHF | 16 GPON ports for access services |
| H901GPSF | 16 GPON ports for home access services |
| H901XGHD | 8 asymmetric 10G GPON ports for access services. |
| H901TWED | 8 symmetric 10G GPON ports for access services. |
| H901EDSH | 32-channel E1 upstream board, supporting native TDM mode. |
| H901OGHK | 48-port aggregated GE/FE optical interface board, supporting up to 48 channels of GE/FE |
| H901OXHD | 8-port aggregated 10GE optical interface board, supporting GE/10GE Ethernet aggregation. |
| H901PILA | -48V DC input |
| H901FMLA | Supplier power to fans; controls and monitors the fans |
| H901FMMA | Supplier power to fans; controls and moniotes the fans |

Get more information:

Do you have any question about SmartAX MA5800-X15?

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Specific Data Sheet:

| | |
|--------------------------------------|--|
| Model | Huawei SmartAX MA5800-X15 |
| Dimensions (W x D x H) | 442 mm x 287 mm x 486 mm |
| Switching Capacity of the System | 7 Tbit/s |
| Maximum Number of Ports in a Subrack | 240 x GPON/EPON |
| | 720 x GE/FE |
| | 120 x 10G GPON/10G EPON |
| | 120 x 10G GE |
| | 480 x E1 |
| Ambient Temperature | -40°C to 65°C* |
| | *: The MA5800 can start up at a lowest temperature of -25°C and run at -40°C. The 65°C temperature refers to the highest temperature measured at the air intake vent |
| Working Voltage Range | -38.4V DC to -72V DC |
| Layer 2 Features | VLAN + MAC forwarding, SVLAN + CVLAN forwarding, PPPoE+, and DHCP option82 |
| Layer 3 Features | Static route, RIP/RIPng, OSPF/OSPFv3, IS-IS, BGP/BGP4+, ARP, DHCP relay, and VRF |
| MPLS & PWE3 | MPLS LDP, MPLS RSVP-TE, MPLS OAM, MPLS BGP IP VPN, tunnel protection switching, TDM/ETH PWE3, and PW protection switching |
| IPv6 | IPv4/IPv6 dual stack, IPv6 L2 and L3 forwarding, and DHCPv6 relay |
| Multicast | IGMP v2/v3, IGMP proxy/snooping, MLD v1/v2, MLD Proxy/Snooping, and VLAN-based IPTV multicast |
| QoS | Traffic classification, priority processing, trTCM-based traffic policing, WRED, traffic shaping, HqoS, PQ/WRR/PQ + WRR, and ACL |
| System Reliability | GPON type B/type C protection, 10G GPON type B protection, BFD, ERPS (G.8032), MSTP, intra-board and inter-board LAG, In-Service Software Upgrade (ISSU) of the control board, 2 control boards and 2 power boards for redundancy protection, in-service board fault detection and rectification, and service overload control |

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