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Overview

The MA5600T-ETSI is the Huawei SmartAX MA5600T ETSI model, providing 23 slots, and has a fan tray at the top. Huawei SmartAX MA5600T is the global first OLT which integrates the functionality of aggregation switch and edge router. It can provide high-density GPON, 10GPON and Ethernet P2P optical access, triple play service, TDM/ATM/Ethernet leased line services for business customers and high precision clock, and high-density GE/10GE interfaces for cascading remote access equipments. MA5600T helps to simplify network architecture, to improve network reliability and lower TCO essentially.

Fan tray																			
21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Power									Control board	Control board	Service board	Service board	Service board	Service board	Service board	Service board	Service board	Service board	G I U
22	Service board	Service board	Service board	Service board	Service board	Service board	Service board	Service board	Control board	Control board	Service board	Service board	Service board	Service board	Service board	Service board	Service board	Service board	20
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Quick Specification

Model	MA5600T-ETSI
(W/D/H) mm	490×275.8×447
Cabinet	Indoor: N63E-22, N66E-18 Outdoor: F01D500
Configuration	control board: 2 Service board: 16 Universal Interface board: 1 Upstream interface board: 2 Power interface board: 2
MTBF	≈45 years
Switching Capacity of the Backplane Bus	3.2Tbit/s
Switching Capacity of the Control Board	SCUN/SCUK: 480Gbit/s (Standby mode), 960Gbit/s (Load-sharing mode) SCUH: 960Gbit/s (Standby mode), 1920Gbit/s (Load-sharing mode) 960Gbit/s
Access Capacity	<ul style="list-style-type: none"> • 128*10G GPON • 256*GPON • 768*GE/FE

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Maximum uplink port (GIU)	<ul style="list-style-type: none">• 4*GE• 4*10GE
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Product Details:

The Front Panel:



Features Huawei SmartAX 5600T-ETSI provides:

- ★ Convergence and access integration
 - Provides super large convergence switching capacity. Specifically, an MA5600T series device supports 3.2 Tbit/s backplane capacity, 1,920 Gbit/s switching capacity, and 512,000 MAC addresses.
 - Provides super high-density cascading capability. Specifically, an MA5600T series device supports a maximum of 46 x 10GE or 768 GE services, with no additional convergence switches.
- ★ High reliability
 - Provides highly reliable networking capabilities and ensures dual-OLT hot backup, remote disaster tolerance, and service upgrades without interruption.
 - Provides comprehensive Quality of Service (QoS) functions and supports traffic classification management, priority control, and bandwidth control. The Hierarchical-Quality of Service (H-QoS) function meets various Service Level Agreement (SLA) requirements of commercial customers.
 - Provides an End-to-End (E2E) highly reliable design, enabling Bidirectional Forwarding Detection (BFD), Smart Link, Link Aggregation Control Protocol (LACP) redundancy protection and GPON type B/type C line protection in the upstream direction.
- ★ Multi-scenario access

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- Supports access of multiple E1 private line services, and Native Time-Division Multiplexing (TDM) or Circuit Emulation Services over Packet (CESoP)/ Structure-Agnostic TDM over Packet (SAToP) function.
 - Supports the Emulated Local Area Network (ELAN) function and Virtual Local Area Network (VLAN)-based internal traffic exchange, satisfying enterprise and community network application requirements.
 - Supports non-convergence access of Internet Protocol television (IPTV) users. One subrack supports 8,000 multicast users and 4,000 multicast channels.
- ★ Smooth evolution
- Supports GPON, 10G Passive Optical Network (PON), and 40G PON on a platform, enabling smooth evolution and achieving ultra-bandwidth access.
 - Supports IPv4/IPv6 dual stacks and IPv6 multicast, enabling smooth evolution from IPv4 to IPv6.
- ★ Energy saving
- Uses special chips for conserving power. Specifically, 16 ports on a GPON board consume less than 73 W of power.
 - Supports idle board automatic power-off and intelligent fan speed adjustment, effectively lowering idle board power consumption.

Accessories For SmartAX MA5600T-ETSI:

Supported Boards:

Category	Model	Description
Control Boards	H801SCUH	Huawei SmartAX MA5600 Super Control Unit Board
	H801SCUV	Huawei SmartAX MA5600 Super Control Unit Board
	H801SCUN	Huawei SmartAX MA5600 Super Control Unit Board
	H801MCUD	Huawei SmartAX MA5600 Control Unit Board (GE Uplink)
	H801MCUD1	Huawei SmartAX MA5600 Control Unit Board (GE/10GE Uplink)
	H801SCUK	Huawei SmartAX MA5600 Super Control Unit Board
Services Boards	H806GPBH	Huawei SmartAX MA5600 8-port Advanced GPON OLT Interface Board
	H807GPBH	Huawei SmartAX MA5600 8-port Advanced GPON OLT Interface Board
	H801GPMD	Huawei SmartAX MA5600 8-port Advanced GPON OLT Interface Board
	H805GPFD	Huawei SmartAX MA5600 16-port GPON OLT Interface board
	H801XGBD	Huawei SmartAX MA5600 8-port XG-PON OLT Interface board
	H802XGBC	Huawei SmartAX MA5600 4-port XG-PON OLT Interface Board
	H801SPUF	Huawei SmartAX MA5600 Multifunctional Service Process Board
	H801ETHB	Huawei SmartAX MA5600 Ethernet Service Access Board

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Power Boards	H801PRTA	Huawei SmartAX MA5600 Power Transfer Board
	H801PRTE	Huawei SmartAX MA5600 Power Transfer Board
	H801PRTG	Huawei SmartAX MA5600 Power Transfer Board
Fan Boards	H801FCBB	Huawei SmartAX MA5600 ETSI fan tray (FCBB)-MA5600T
	H801FCBI	Huawei SmartAX MA5600 ETSI fan tray (FCBI)-MA5600T

Compare To Similar Items:

Model	MA5600T-ETSI	MA5600T-IEC	MA5603T	MA5608T
Configuration	control board: 2 Service board: 16 Universal Interface board: 1 Upstream interface board: 2 Power interface board: 2	control board: 2 Service board: 14 Universal Interface board: 1 Upstream interface board: 2 Power interface board: 2	control board: 2 Service board: 6 Universal Interface board: 1 Upstream interface board: 2 Power interface board: 2	control board: 2 Service board: 2 Power interface board: 1
Switching Capacity of the Backplane Bus	3.2Tbit/s	-	1.5Tbit/s (H801MABO) 2Tbit/s (H802MABO)	720Gbit/s
Access Capacity	<ul style="list-style-type: none"> • 128*10G GPON • 256*GPON • 768*GE/FE 	<ul style="list-style-type: none"> • 112*10G GPON • 224*GPON • 672*GE/FE 	<ul style="list-style-type: none"> • 48*10G GPON • 96*GPON • 288*GE 	<ul style="list-style-type: none"> • 8*10G GPON • 32*GPON • 96*GE
Maximum uplink port (GIU)	<ul style="list-style-type: none"> • 4*GE • 4*10GE 	<ul style="list-style-type: none"> • 4*GE • 4*10GE 	<ul style="list-style-type: none"> • 4*GE • 4*10GE 	-

Get more information:

Do you have any question about SmartAX MA5600T-ETSI?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

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