



Huawei SmartAX MA5621 MDU Datasheet



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Overview

Huawei SmartAX MA5621 MDU, provides 4 × FE electrical ports; 4 × RS485/RS232 serial ports, 2 × EPON ports.

Huawei SmartAX MA5621 series provide 2 models:

MA5621

Huawei SmartAX MA5621 MDU, 4 × FE electrical ports; 4 × RS485/RS232 serial ports, 2 × EPON ports.



MA5621A

MA5621A applies to wireless local area network (WLAN) scenarios and video monitoring scenarios.



Primary Features

EPON

- DBA
- Optical module management / line management
- Remote software commissioning

Network protection

- EPON Type B protection
- EPON Type D protection (single-homing / dual-homing)
- Ring Check

Maintenance

- Ethernet OAM CFM / EFM
- PPPoE dial-up emulation
- DHCP emulation
- Multicast emulation

Layer 3 Features

- VLAN layer 3 interface
- DHCP Client / DHCP layer 2 relay
- IPv6
- ARP
- Static route

Layer 2 Management

- Dual PON port isolation
- MAC address management
- VLAN management
- Service flow
- VLAN+MAC forwarding / S+C forwarding
- Layer 2 bridging
- Transparent transmission of protocol packets

Multicast

- IGMP v2/v3 Proxy
- IGMP snooping
- Multicast CAC (Call Admission Control)

QoS

- Traffic classification policy
- Priority processing
- Traffic policing
- Traffic shaping
- Congestion management
- ACL

Subscriber Security

- 802.1x
- RAIO
- DHCP Option82
- PTP
- Anti-IP Spoofing
- Anti-MAC Spoofing / Anti-MAC address transfer / MAC

Address Filtering

- Source route filtering

System Security

- AAA
- Anti-denial of service (DoS) attacks
- Anti-IP address attacks / Anti-ICMP address attacks
- Firewall

Port Specifications

EPON Port

- Connector type: SC/PC (UPC)

- Standards compliance: IEEE802.3ah
- Upstream: transmission rate 1 Gbit/s; center wavelength 1310nm
- Downstream: transmission rate 1 Gbit/s; center wavelength 1490nm
- Maximum transmission distance: 20 km

FE Port

- Connector type: RJ-45
- Transmission rate: 10 Mbit/s or 100 Mbit/s auto-adaptation
- Maximum transmission distance: 100 m
- Standards compliance: IEEE802.3u, IEEE802.3, IEEE802.3x

RS485 Serial Port

- Full duplex communication, applies to point to multipoint connection
- Supports 1 receive node and 32 transmit nodes
- Maximum transmission distance: 1200 m
- Maximum transmission rate: 115200 bit/s
- Standards compliance: TIA/EIA-485, ITU-T V.24, ITU-T V.28

RS232 Serial Port

- Half-duplex communication, applies to point-to-point connection
- Supports 1 receive node and 1 transmit node
- Maximum transmission distance: 15 m
- Maximum transmission rate: 115200 bit/s
- Standards compliance: TIA/EIA-232, ITU-T V.24, ITU-T V.28

Specifications

Dimensions (H×W×D)	44.4 mm × 235 mm × 180 mm (without the mounting brackets) 44.4 mm × 482.6 mm × 180 mm (with the 19-inch mounting brackets)	
Weight	AC-powered device: 1.6 kg	DC-powered device: 1.5 kg
Ambient temperature	-40°C to +65°C	
Ambient humidity	5%RH to 95%RH	
Working voltage range	100 V to 240 V AC	12 V to 48 V DC
Power supply and input current	220 V AC, 0.5 A	12 V/24 V/48 V DC, 2 A
UNI	4 × FE electrical ports; 4 × RS485/RS232 serial ports	
NNI	2 × EPON ports	
Power consumption	< 10 W	

Basic Ordering Information

SKU	Description
MA5621	Huawei SmartAX MA5621 MDU, 4 × FE electrical ports; 4 × RS485/RS232 serial ports, 2 × EPON ports
MA5621A	Huawei SmartAX MA5621A MDU

Where to Buy

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA)/ +852-3050-1066 / +852-3174-6166
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- Email: sales@router-switch.com (Sales Inquiries)

Or visit: [Huawei SmartAX MA562x Series](#)

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