SmartAX MA5671

1000M Ethernet Port ONU

Device Parameters

Item	Description
Dimensions (H×W×D)	27 mm × 134 mm × 115 mm
Weight	About 0.215 kg (plastic shell) About 0.204 kg (metallic shell)
Operating temperature	-40°C to +55°C
Operating humidity	5%RH to 95%RH (non-condensing)
Power adapter input	100-240 V AC, 50/60 Hz
System power supply	12 V DC, 1A
UNI	4*GE (electrical)
NNI	GPON/GE (electrical)*
Typical power consumption	5W

*The NNI GE port (electrical) can be any one of the UNI GE port.

Interface Parameters

PON Port

- Port type: SC/UPC
- Transmission rate:

  GPON: downstream 2.488 Gbit/s, upstream 1.244 Gbit/s
- Bi-directional FEC

Electrical GE Port

- Port type: RJ-45
- Autonegotiation between 10/100/1000 Mbit/s
- Ethernet port-based VLAN tags and tag removal
- VLAN transparent transmission
- QinQ VLAN
- MAC address learning

Production Function

Automatic Service Provisioning

- Authentication exemption
- Automatic electronic work order generating

Smart O&M

- OMCI/Web UI/TR069
- PPPoE/DHCP simulation testing
- ETH OAM
- Ring network detection
- Y.1731
- Public and private interworking for enterprise servers

Layer 3 Features

- PPPoE/Static IP/DHCP/DHCP Option66
- IPv6
- DDNS/DMZ/DNS/NAPT
- Static routes
- Multiple network segment addresses as well as routing and forwarding on service ports
- Port mapping/Port trigger
- ALG/UPnP/ARP

Layer 2 Management

- DHCP Option 82
- PITP
- BPDU transparent transmission

Multicast

- IGMPv2/IGMPv3 snooping
- IGMP proxy
- Dynamic controllable multicast
- MLDv1/MLDv2 snooping

QoS

- Ethernet port rate limitation
- 802.1p priority
- SP/WRR/SP+WRR
- Broadcast packet rate limitation

Security

- SPI firewall
- DoS anti-attacks
- Filtering based on MAC/IP/URL addresses
- Static MAC address binding