

innovation through technology

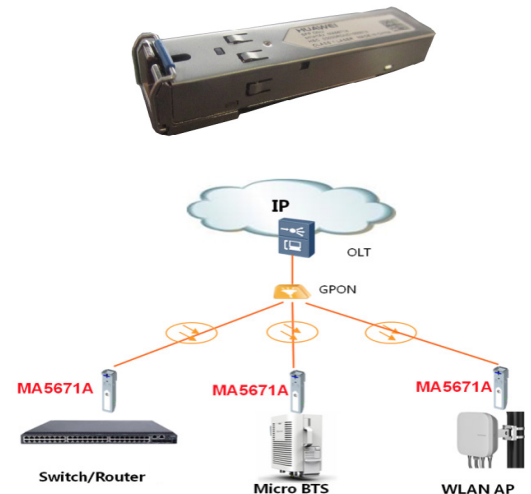


## MA5671A – SFP ONT (Optical Network Terminal)

Full function GPON ONT in SFP form factor for flexible and cost-effective fiber access.

Huawei's MA5671A is one of the mini-PON products that's designed for maximum flexibility and delivers quickest time to market for applications that require cost effective fiber access without the need for a purpose built terminal. It can be inserted directly into the SFP slot of an uplink port in any terminal to deliver bandwidth and transport services over a standard compliant GPON network. The MA5671A plugs into SFP slot of the BTS or other baseband units for backhaul of cellular or microwave sites. It is connected to the GPON Optical Line Terminal (OLT) through its PON interface. The downlink interface supports Gigabit Ethernet (GE) to the "host" terminal providing high bandwidth with integrated management and QoS for access services with SLAs. The MA5671A can also be used in Wireless Local Area Network (WLAN) Access Point (AP) devices as well as with any Ethernet switches, routers, or IPDSLAMs. It features a compact size, easy installation, integrated power, low maintenance, high reliability, and low power requirements. It supports 1588 ACR transparent mode for frequency synchronization in compliance with ITU-T G.8262. It supports GPON Type B protection mode with a switchover time of <50ms. It has an optical reach of up to 30Km.

MA5671A



## Applications

### Cell Backhaul – Gigabit to the Tower:

The MA5671A can plug into the SFP slot of any base station, microwave baseband unit, or WiFi Access point terminals for quickest time-to-market backhaul bandwidth over fiber. It allows the transport of wireless traffic over GPON and complies with QoS, synchronization, and OAM requirements for backhaul applications.

### Business Access – Gigabit to the Business:

The MA5671A can plug into the SFP slot of any existing or new customer- or carrier-owned terminals: switch, router. It delivers gigabit or more bandwidth over fiber cost effectively. It connects the business site to a GPON network without requiring purpose-built terminals and protects investments in existing terminals. It complies with link protection, QoS and OAM requirements to deliver business access services with Service Level Agreements.

### MDU/MTU Access – Gigabit to the Building:

The MA5671A is ideal for addressing buildings with fiber. Multiple subscribers/tenants within the building can be cost-effectively aggregated using Ethernet switches, or IPDSLAMs and the MA5671A can plug into the SFP slots of these devices to deliver bandwidth cost effectively and for a suite of services with QoS.

## Product Highlights

### Enables Fast Deployment

- Plugs into any standard GigE SFP slot – complies with SFP MSA(SFF 8074i), SFF 8431
- Plug & Play – allows pre-configuration and automatic loading of configuration for turn-up

### Requires Zero Site and Power

- Plugs into existing equipment
- No power, no space requirement

### Zero Touch Management

- Centralized management – same as a GPON ONT;
- Standards Compliant GPON Interface – complies with ITU G.984 series and support OMCI
- Remote software upgrade, and operational inquiries
- Ethernet OAM (802.11ag) functions

## Product Features

<b>GPON</b>	Complies with ITU G.984 series standards
	8 T-CONTs
	32 GEM ports
<b>GE</b>	Complies with IEEE 802.3u standards
<b>Layer 2</b>	8 VLANs
	1024 MAC addresses
	802.1p, supporting PQ and WRR
<b>QOS</b>	Support traffic classification based on VLAN, 802.1p, and VLAN+802.1p
	Support 4 priority queues
<b>OAM</b>	Support 802.1ag
	Support Dying Gasp notification
<b>OPM</b>	Support inquire: temperature, optical power, voltage and current, Optical Module Type
	Support inquire optical module type
<b>Security</b>	PPPoE+ and DHCP option82
	Rogue ONU self diagnose and isolation
<b>Maintenance</b>	Supports ITU-T G.988 OMCI Management
	Remote and batch pre-deployment
	Remote upgrade and monitoring

## Hardware Specifications

<b>Network Side Port</b>	1 x GPON, SC/UPC
<b>User Side Port</b>	1 x GE
<b>Voltage</b>	+3.3V DC
<b>Power Consumption</b>	2.3 W
<b>Dimensions (H x D x W)</b>	14.2 x 12.6 x 62.5mm
<b>Weight</b>	18g
<b>Operating Temperature</b>	-40° C to + 45° C (-40° F to +113° F)
<b>Operating Humidity</b>	5% to 95% (non-condensing)



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