ZISA®

ZISA OP161S

STICK OLT / MICRO OLT / MINI OLT

STICK OLT

MICRO OLT

MICRO Embedded OLT

MINI OLT

❙ Product Overview

OP161S is our complete OLT STICK based on SFP+ package with built-in PON MAC function,designed to solve the problem of rapid upgrade from traditional data communication network equipment to all-optical network equipment.

Through flexible module design, convenient port configuration is achieved, precisely adapting to the business requirements of differentscenarios,facilitating fault detection and maintenance,reducing costs, and facilitating the efficient and smooth transition of the network to the all-optical network era.

❙ Main Feature

● Data link and rate: Single-fiber bidirectional data link, downlink rate 2.488Gbps, uplink rate 1.244Gbps, with

GPON MAC function.According to the SFP+ port rate, the 1.25G port or 2.5G port adaptation software can be upgraded by oneself.

● Interfaces and Functions: SFP+ package, SC interface, supports hot plugging.

● Transmission and Power Consumption: Supports a single-mode optical fiber transmission distance of 8

● kilometers, with low power consumption (＜2.5w).

● Environmental adaptabilit: The enclosure temperature range is -40C to 85°C, and the working humidity range is 5% to 95% (non-condensing).

● Terminal support: Supports up to 32 ONU terminals at most.

● Network compatibilit: Compatible with the vast majority of HGU type ONUs on the market, supporting transparent transmission of SVLAN and CVLAN.

● Compatible with any third-party switches, routers and firewalls with oplical ports.
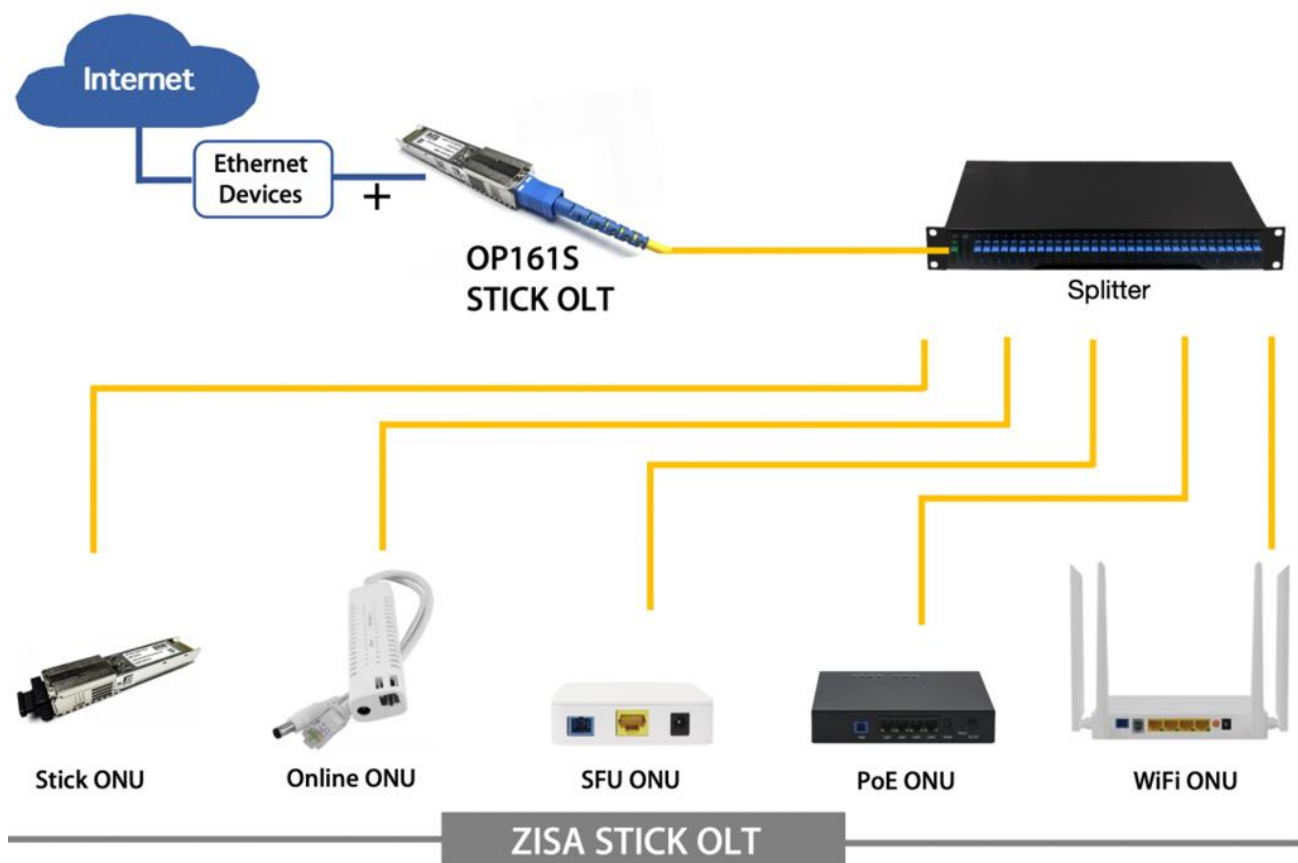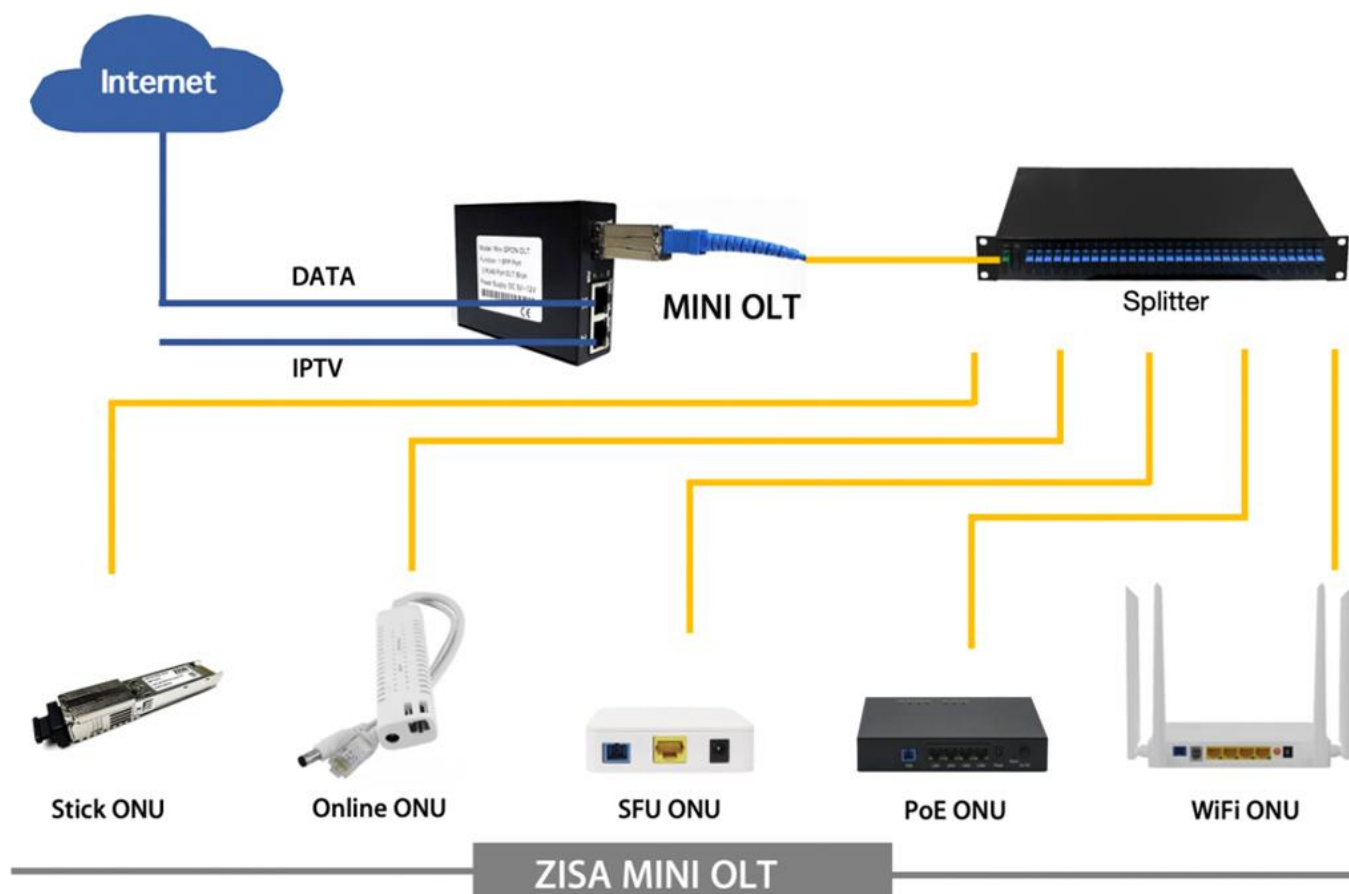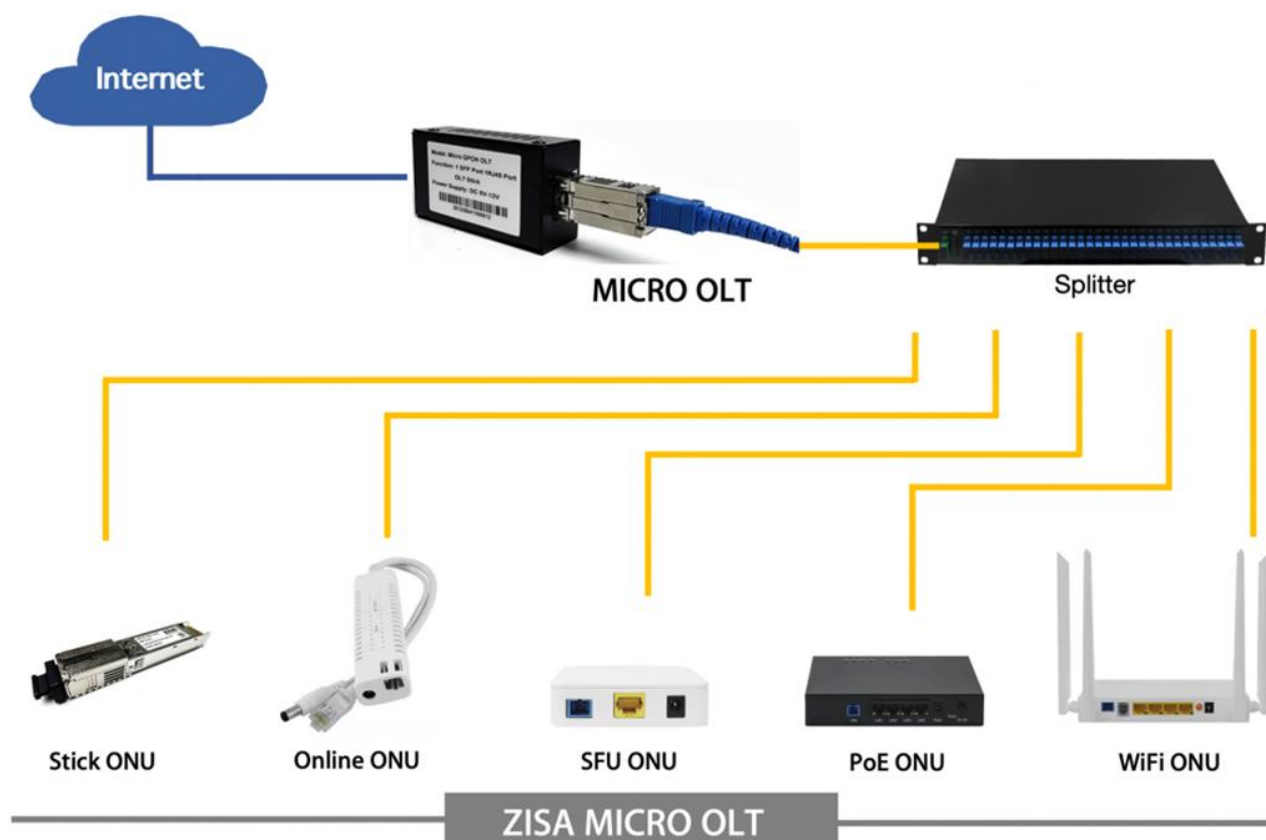
- The self-developed PC-based management software can quicky and efficiently query and manage small networks through local area networks. It is easy to operate and does not require professional network knowledge.
- The matching 1-port, 2-port and related switch products can assist customers in quickly forming micro OLT, mini OLT, embedded OLT and other related types of OLT to
- meet the needs of different scenarios, such as FTTR, FOL all-optical network, CCTV security.
- Support API interface expansion to make it easier for customers to develop their own management software, such as APP management.
- Pure bridge mode enables transparent transmission of all types of VLAN data

▌ Application Chart

It is applicable to scenarios such as network upgrade in enterprise parks, fiber-optic FTTR network coverage in residential areas, and network optimization in commercial buildings. It can be conveniently deployed at any position in the network to achieve efficient optical network connection.

MICRO OLT

Splitter

Internet

Stick ONU **Online ONU** **SFU ONU** **PoE ONU** **WiFi ONU**

ZISA MICRO OLT

Internet

DATA

MINI OLT

IPTV

Splitter

Stick ONU **Online ONU** **SFU ONU** **PoE ONU** **WiFi ONU**

ZISA MINI OLT

I Technical Specifications

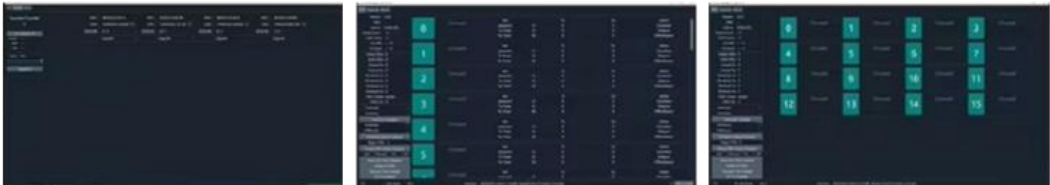| Item	Parameter
Product model	OP161S / OLT Stick
Down link rate	2.448Gbps, with GPON MAC functionality
Uplink rate	1.244Gbps, with GPON MAC function
Power supply	3.3V
Power dissipation	<2.5W
Optical power	-2 to 2dBm, typical value: 0dBm
Max splitting ratio	1:32, Max Support 32 ONU
Sensitivity	<28dBm
Net weight	0.05kg
Rough weight	0.1kg
Package size	100mm x 15mm x 25mm
Product size	75mm x 12mm x 22mm
The working temperature range of the casing	-40℃~80℃

I Functional Characteristics

- Plug and play and automatic registration: ONU terminals are plug and play, fully automatic registration, and transparent transmission of all vlans.
- Optical port compatibility: Standard SFP+ package, compatible with 1/2.5/10G (set to forced rate) optical ports, enabling the rapid transformation of traditional Ethernet networks into PON optical networks.
- Compatibility with third-party devices: Adhering to the standard GPON protocol, it is compatible with third-party HGU type ONUs. It can be used in different host environments, improving equipment utilization and flexibility.
- Virtual OLT port: A single PON port of the virtual OLT enables operators to flexibly expand and manage the PON network without significant hardware investment.

I Management Software

Comes with management software:

- Support fault display
- Support status display
- Support third-party API sharing
- Support windows Multi-Version

I Product Function

Product picture	Name	Input	Output	DC voltage
	Stick OLT	GE to Switch	SC	3.3V
	Micro OLT	1*100/1000M	OLT	5~12V
	Micro Embedded OLT	1*100/1000M	OLT	5~12V
	Mini OLT	2*100/1000M	OLT	5~12V

I Order Infomations

Products Model	Descriptions	Accessories
OP161S Stick OLT	OLT Stick SFP Module	NA
Micro OLT	Stick OLT with 1GE OLT Case	DC5V Power Adapter
Micro Embedded OLT	Stick OLT with 1GE OLT Board	NA
Mini OLT	Stick OLT with 2GE OLT Case	DC5V Power Adapter

I Package Size

Name	Size(mm)	Weight(kg)
Stick OLT	30*60*120	0.05
Micro OLT	65*90*135	0.2
Micro Embedded OLT	60*85*130	0.15
Mini OLT	55*125*230	0.35

I ZISA Technologies Inc.

www.zisacom.com

Specifications are subject to change without notice.