OP161S

STICK OLT

MICRO OLT

MINI OLT

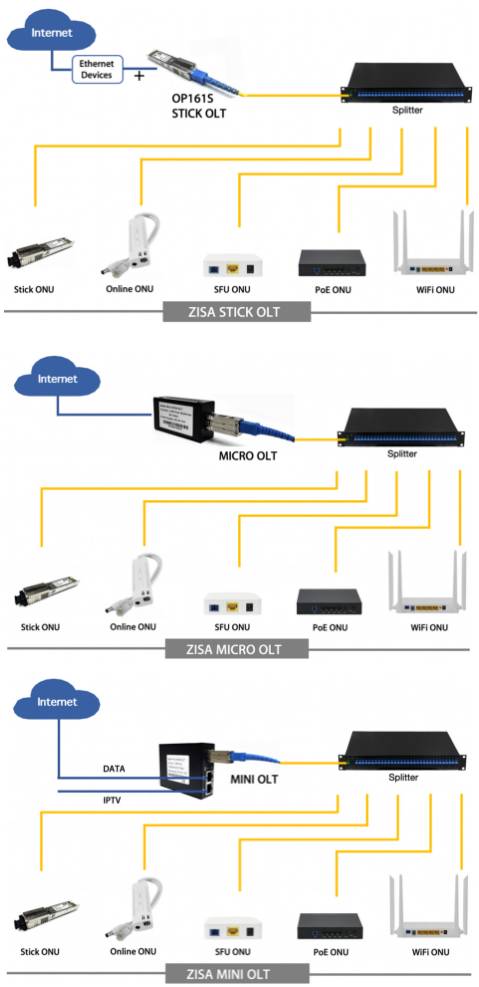
User Manual V1.0

Introduction

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.

Application



Hardware Connection

Stick OLT

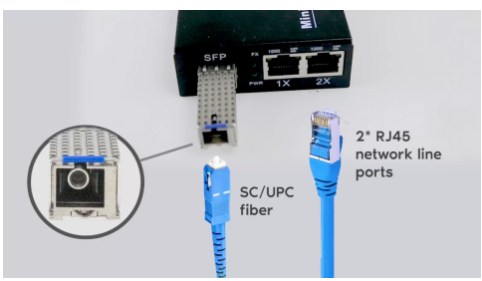
MICRO OLT

MICRO Embedded OLT

MINI OLT

Micro OLT Connection

Mini OLT Connection



Software Installation

Step 1, Install Wireshark Tool  on Windows OS, The function of this tool is to capture the MAC address of Stick OLT through a computer.

Wireshark-4.4.7-x64.exe

Step 2, Install ZISA Stick OLT UPG Management Software . 

ZISA Stick OLT UPG V6.27.exe

Management software usage

The management software of STICK OLT can manage our OLT devices and the ONUs registered under the OLT devices.

Connection method: The STICK OLT device needs to be connected to a router, switch, or transceiver. A network cable should be connected to the network port of the device to which the STICK OLT is connected, and the other end should be connected to the network port of the computer. Then, run the management software.

A: After the software runs, you need to select the network cable to connect the computer and the olt device's network card.Your computer's network card will be displayed in the red frame A in Figure 1

B: and Click "Click to start" at the lower right corner of Figure 1. Then it can be connected to the OLT device.

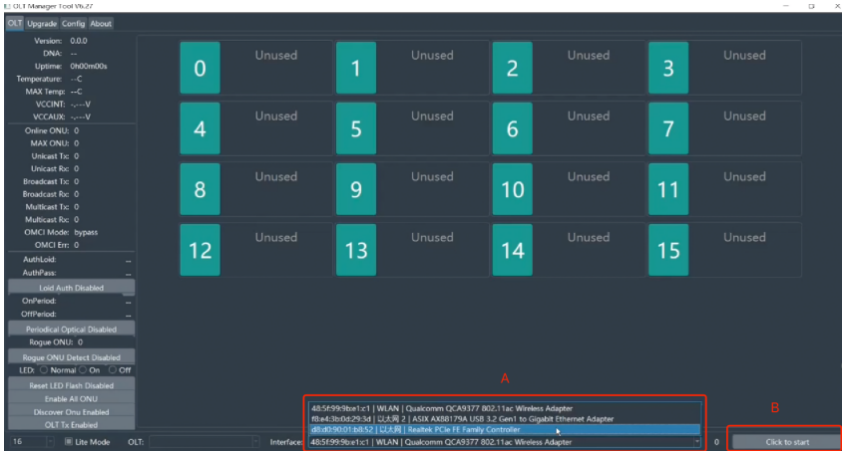


Figure 1

We can view the information of the OLT from the upper left corner, as shown in Figure 2.

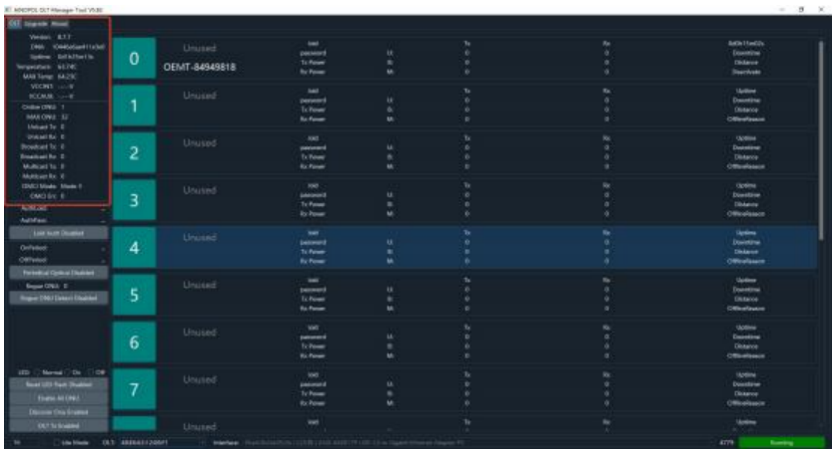


Figure 2

The STICK OLT devices connected are shown in the red frame of Figure 3. Each serial number in the red frame of Figure 3 represents a STICK OLT, and different serial numbers can be clicked to switch OLT management. Up to 32 ONU devices can be registered under each STICK OLT.

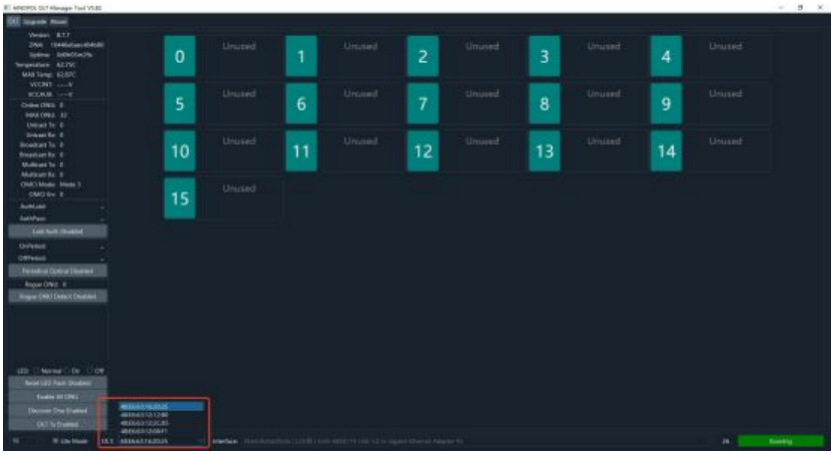


Figure 3

For the switching of STICK OLT, it can be seen that the olt in Figure 3 has not registered any devices. Now click on another STICK OLT in the red frame of Figure 4, and an ONU device has been registered below. We can see the difference in Figure 4.

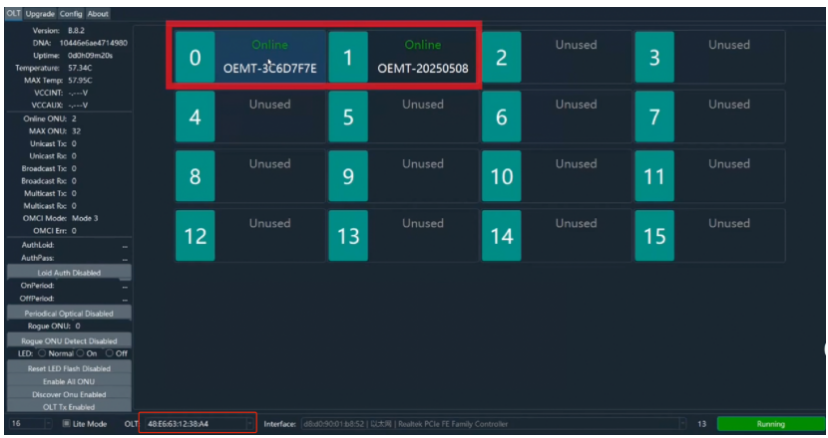


Figure 4

Allows you to select the number of registered ONU displays under the same STICK OLT device. For example, I want to display 32 onu devices. Click on the corresponding number in the red frame at the lower left corner of Figure 5.

Figure 5

Managing ONU devices

Right-click on the ONU device with the mouse, and different options will appear, as shown in the red frame. Select "Deactivate", and onu will unregister, status is Offline, Select "Activate", and onu devices will re-register, status is Online, as shown in Figure 6 .

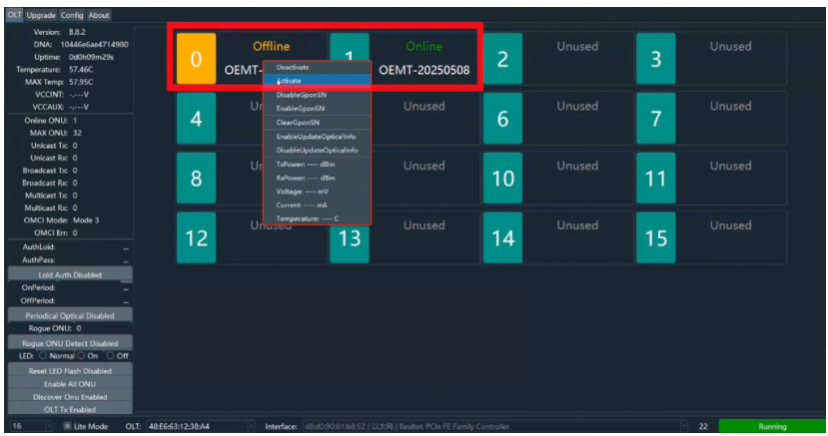


Figure 6

Click the Lite Mode at the lower left corner of Figure 7 to view the DDM information of the onu device.

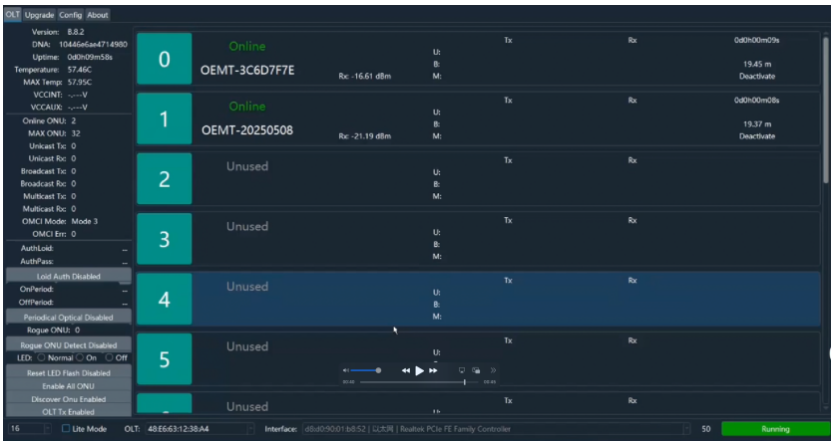


Figure 7

The STICK OLT connection in Routers and Switches

the connection and usage of the Router & Switch with STICK OLT, which is similar to the networking method with above MINI OLT. This Router & Switch has multiple network ports and can be connected to a Computer via a network cable for software management. It can also provide network with network cable and connect to Internet and IPTV Server etc. show in Figure 8.

MikroTik Router

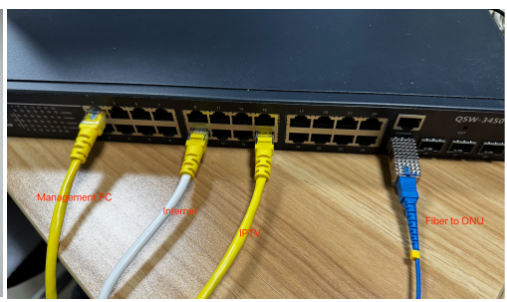


Figure 8 Switch

Online Resources:

- Download **https://www.zisacom.com/technical-documents.html**
- Contact Us **https://www.zisacom.com/contact**