EPON ONU
(AER-5104)

Quick Start Guide

V1.0

Introduction

Thank you for purchasing EPON ONU (AER-5014)

The Contents in the product box include:

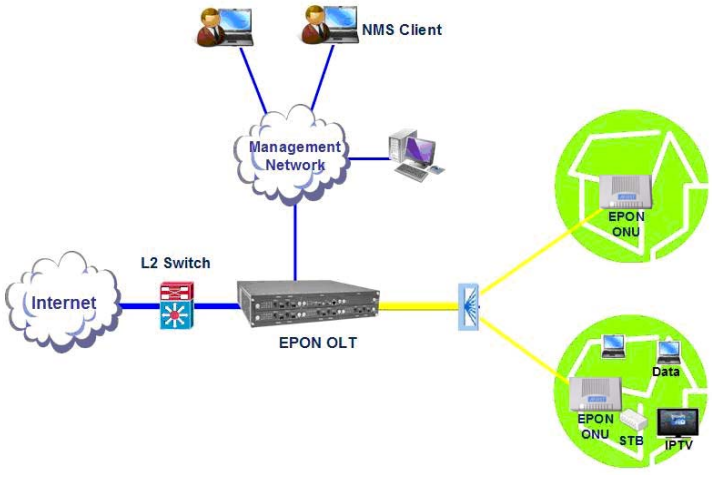
- One set of AER-5104
- Wall mount template
- Quick Start Guide
- AC-to-DC power adaptor (100Vac ~ 240Vac to +12Vdc)

Safety Warnings

1. This product contains a high output-power Laser. Please do not point the SC optical connector directly to eyes.
2. Do not open the device.It can expose you to dangerous high voltage points when opening or removing covers.
3. Put this product away from the high-voltage electricity power and make a lighting surge protection on the power distribution system.
4. A minimum radius of 60 mm is better while bending the optical fiber.
5. Always keep the optical fiber connector to be “clean” and put a cover on the optical fiber connector while the optical connector is removed during system maintenance.

1 Product Overview

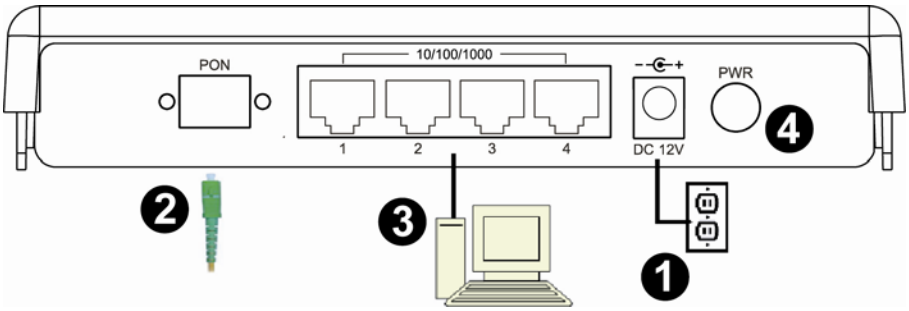
AER-5104 is an Optical Network Unit of EPON system. It is designed with one PON port, and four 10/100/1000 Mbps Ethernet ports. AER-5104 is well designed for “Plug-and-Play”. No software configuration is required during installation. It is controlled by Optical Line Terminal (OLT) remotely.



2 Hardware Connections

The Rear panel of AER-5104 is described and depicted in the following picture.

Interface	Description
PON	SC/APC type connector for connecting to OLT
10/100/1000M (1~4)	Four 10/100/1000M Ethernet Port for connecting to CPE devices (eg. Home gateway, WiFi Router, PC, Set Top Box, etc.)
DC12V	DC Power Connector
PWR	Power turn on/off switch



Steps to connect the hardware:

(1) Put the AC-to-DC power adaptor onto the AC power electricity outlet and connect the DC power output plug to the AER-5104 DC 12V socket.

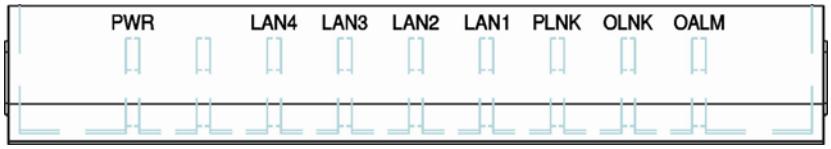
(2) Connect the SC / APC type optical fiber from the optical Splitter to the SC / APC type optical adaptor on AER-5104.

(3) Connect an Un-shield Twisted Pair (UTP) CAT-5 cable from the RJ-45 connector of AER-5104 to the device which is intended for link up.

(4) Turn on Power Switch

3. LED Description

When finishing ONU cabling connection, then power on ONU. No software configuration is required for ONU. You can check the LEDs of ONU to see whether ONU works correctly. The LEDs of AER-5104 is depicted in the following figure.



The details of the LEDs are described below.

LED indications	Status	LED
PWR	Power is on	Green On
	Power is off	Off
LAN (1 ~ 4)	UNI LAN Port link at 100M is on	Green On
	UNI LAN Port link at 1000M is on	Organe On
	UNI LAN Port link is down	Off
	UNI LAN Port is sending / receiving data at 100M	Green Blinking
	UNI LAN Port is sending / receiving data at 1000M	Orange Blinking
PLNK	ODN-IONU PON logical link is on	Green On
	ODN-IONU PON logical link is sending / receiving data	Green Blinking
	ODN-IONU PON logical link is down	Off
OLNK	ODN-IONU PON optical link is on	Green On
	ODN-IONU PON optical link is down	Off
OALM	ODN-IONU PON optical link is on	Off
	ODN-IONU PON optical link is down	Red Blinking