

## PON Network Resource Verifier



### Introduction

With the popularity of GPON network services and the rise of XG-PON networks, network maintenance has become increasingly complex and time-consuming. Maintenance engineer needs to verify and manage the user resources in the PON network without entering the premises.

**PRV-GS** is exactly such a tool ! It can verify the PON network resources by reading the ONU information of online users (such as S/N, password, ID, PPPoE and Tx power) , and determine the status of the ONU (such as online, offline, disconnected and rogue). Based on this, telecom operators can quickly identify and release virtual occupied ports, improve the utilization of network resources.

### Features

- ❖ Compatible with GPON ,XG(S)-PON and Combo network, automatically recognize network type.
- ❖ ONU information and status verification
- ❖ Overall verification before PLC splitter (up to 64 ONUs) in 3 min. with PPPoE A/C or 30 sec. w/o PPPoE A/C
- ❖ Built-in 10 wavelengths selective optical power meter and visual fault locator
- ❖ Network cable distance and sequence test
- ❖ 7-inch color multi touch screen
- ❖ Built-in WIFI/4G and GPS modules (optional, coming soon)

## Applications

### Before PLC Splitter --- Overall Verification

Resources Verification 23:59

GPON/XGPON Before Splitter

OLT  $1 \times N$  PRV-GS ONU

ONU info GPON

SN	1254ABCD
Passwd	9654@342
LOID	365542215465
PPPoE	54ADvsdgew
TX Power	-23.25dBm

PPPoE On Stop

### After PLC Splitter

Resources Verification 23:59

GPON/XGPON After Splitter

OLT  $1 \times N$  PRV-GS ONU

ONU info XGPON

SN	1254ABCD
Passwd	9654@342
LOID	365542215465
PPPoE	54ADvsdgew
TX Power	-23.25dBm

Port Verification Stop

### OPM & VFL

OPM & VFL 10:26

OPM

1490nm

LOW

Wavelength REF Offset

Unit

Settings Save Open File

VFL

Off

VFL

ENTRECH

Power

### Network Cable Test

Network Cable Test 10:26

Cable Length

S/N	EIA/TIA568B	Status/Length
1	---	--
2	---	--
3	---	--
4	---	--
5	---	--
6	---	--
7	---	--
8	---	--

ft 500A 500B Start

Cable Sequence

S/N (Proximal)	EIA/TIA568B	S/N (Remote)
1	---	--
2	---	--
3	---	--
4	---	--
5	---	--
6	---	--
7	---	--
8	---	--

ft 500A 500B Start



## Specifications:

Model Number	<b>PRV-GS</b>
Display	7-inch color multi touch screen
PON Network Type	G-PON, XG-PON
ONU Interface	SC/UPC or SC/APC
ONU Information	S/N, Password, Logical ID, PPPoE A/C number, Tx power
ONU Status	online, offline, disconnected, rogue
Optical Power Meter	850/980/1270/1300/1310/1490/1550/1577/1625/1650 nm
Visual Fault Locator	650 nm, 1 mW/15mW/30mW optional
Network Cable Test	distance and sequence
Power Supply	10400 mAh Li-ion Battery / Type-C (QC2.0/PD2.0)
Operating Temperature	-10℃ ~ 50℃
Storage Temperature	-40℃ ~ 70℃
Dimensions &. Weight	215*125*35 mm, 1Kg