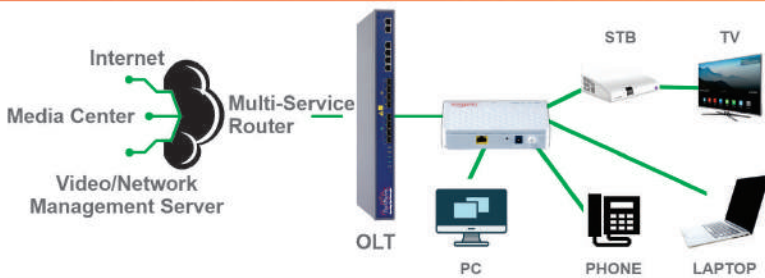




EPON ONU OV-EP-09

1GE EPON ONU - 1000Mbps BRIDGE+ROUTE MODE



Gigabit LAN	IPv6	FTTH FIBER TO THE HOME	ACS
1000Mbps	SC/UPC	EPON ONU	Secured Connection

OV-EP-99 1GE EPON ONU

1. Overview

OV-EP-09 is designed as HGU (Home Gateway Unit) /SFU (Single Family Unit) in deferent FTTH solutions, The carrier-class FTTH application provides data service access.

OV-EP-09 is based on mature and stable, cost-effective EPON technology. It can switch automatically with EPON mode when it access to the EPON/OLT.

OV-EP-09 adopts high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance.



2. Functional Feature

- Support EPON mode and switch mode automatically
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Route PPPoE/DHCP/Static IP and Bridge mode
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration. Disable/Enable port function
- Support Port Forwarding and Loop-Detect
- Support TR069 Remote Configuration and maintenance
- Specialized design for system breakdown prevention to maintain stable system

Application

- ▶ Network online gaming
- ▶ High Internet access sharing
- ▶ High rate broadband sharing
- ▶ Small enterprises application
- ▶ Home networking application

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Technical Specification



Interfaces

PON Interface	1 EPON BOB (Bosa on Board) Receiving Sensitivity : = -3dbm to -28dBm Transmitting optical power : +1~+4dBm
Optical Interface	SC-UPC Connector
Distance	Transmission distance : 20KM
Wavelength	TX 1310nm, RX 1490nm
Chip Spec	Hisilicon SD5116H
LAN Interface	1x1000Mbps auto adaptive Ethernet interface
Flash	128Mbit RAM & SPI Nor Flash 1024MB ROM

Pannel Light Introduction

PWR	ON	The device is powered up.
	OFF	The device is powered down.
PON	ON	The device has registered to the PON.
	BLINK	The device is registering the PON.
	OFF	The device registration is correct.
LOS	BLINK	The device does not receive optical signal.
	OFF	The device has received optical signal.
LINK/ACT	ON	Port is connected properly (LINK).
	BLINK	Port is sending or/and receiving data (ACT).
	OFF	Port connection exception or not connected.

Physical characteristics

Dimensions	95 mm x 82 mm x 28 mm (LxWxH)
Weight	100 g
Permissible operating temperature	0°C to 40°C
Permissible air humidity	5%-95% RH, non-condensing
Power input	100-240 VAC, 50/60 Hz
System power Supply	12 V DC, 1A
Static power Consumption	3 W
Maximum power Consumption	5 W
LED	5 LED for : PWR, LOS, PON, INTERNET, LAN