Tenda

All for better networking.

HG1S

Single Port xPON ONT with CATV port

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Products Description

Tenda's HG1is a Gigabit Passive Optical Network (PON) terminal, ideal for Fiber to the Home solution. It's an all-in-one device allowing users to access high-speed internet connection via xPON port, while delivering analog or RF-based television signals via CATV port. HG1 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Key Features

- Strong compatibility
- High speed access, imagine speed fiber
- Supports routing mode and bridge mode access
- Remote management, plug and play

Product Features

Auto-adaption for both EPON and GPON Network

Complies with ITU G.984.1, ITU G 984.2, ITU G984.3, ITU 984.4 and IEEE 802.3ah, HG1 can support GPON and EPON network. Providing you comprehensive network compatibility. With OMCI/OAM remote management, HG1 offers a full remote control without user intervention.

100 times faster than conventional 24Mbps ADSL

Downstream rate up to 2.5Gbps which is 100 times faster than conventional 24Mbps ADSL brings freewheeling internet access.
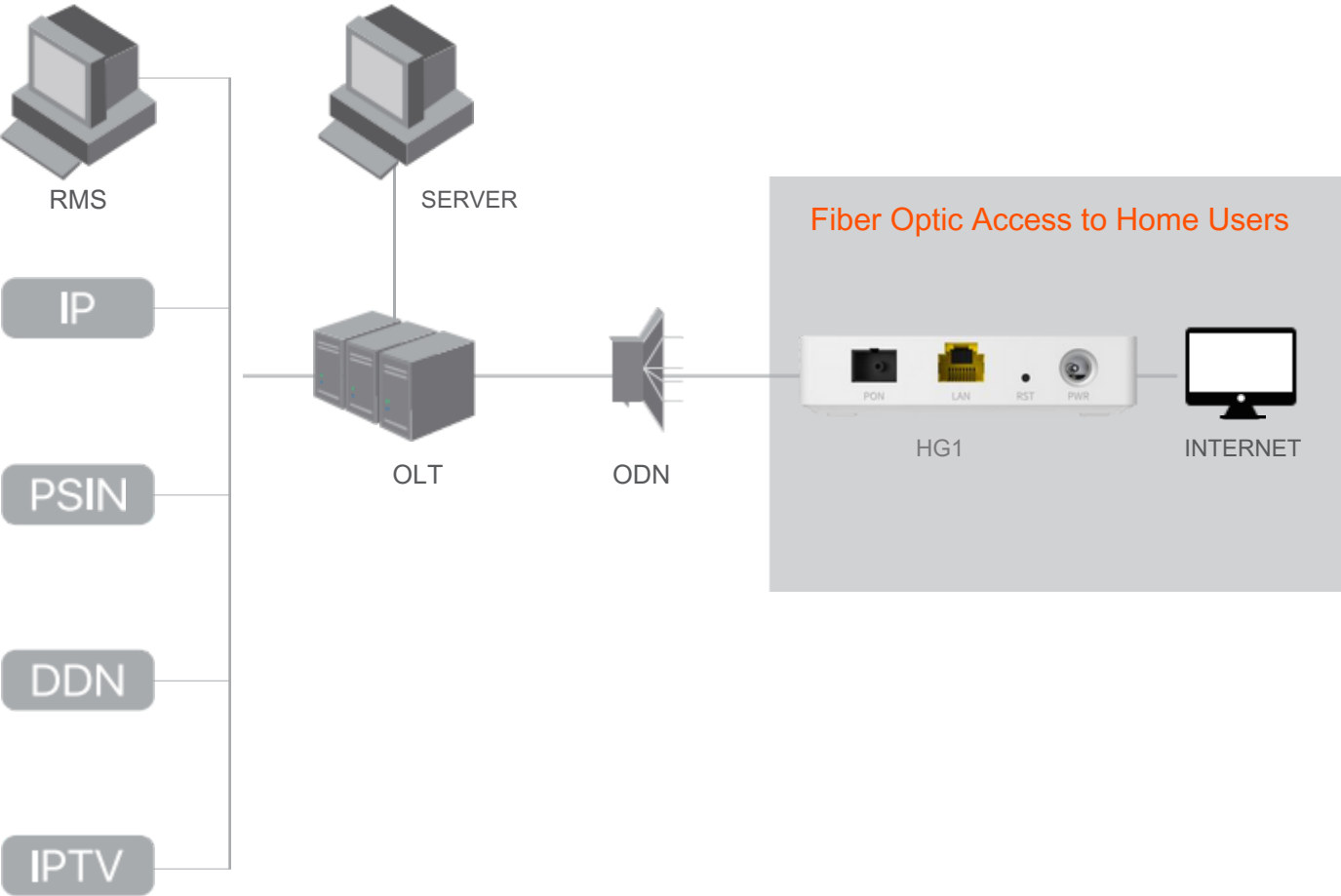
Gigabit LAN port supports ultra-fast data transmission

1Gigabit wired LAN port supports ultra-fast data transfer. HG1 can bring free wheeling internet access, making it a great choice to build multimedia entertainment network easily.

Remote control over CATV port

HG10S comes equipped with an integrated CATV port, offering full remote control capabilities.

HG1S/ Single Port xPON ONT + CATV port

Application Scenarios

RMS

SERVER

IP

PSIN

DDN

IPTV

OLT

ODN

Fiber Optic Access to Home Users

PON LAN RST PWR

HG1

INTERNET

Specification

Hardware Features	
Model	HG1
Standard&Protocol	ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4, IEEE 802.3ah
Port	1*GE, 1*Power-in, 1* Fiber
PON Connector	SC/APC (SC/UPC optional)
Button	1*Reset
Size (L * W * H)	93x66x24mm
LED	PWR, PON, LOS, LAN
Power-in	9V DC / 0.6 A
Power consumption	≤5.4W
Software	
Access Mode	Routing mode, Bridge Mode, Ethernet II, IEEE 802.1Q, VLAN
Business Type	Internet
Security Function	Mac filter, IP filter, URL filter, Access control
Management Support	Local WEB manament, Remote updated, Switch auto between EN and CN, OMCI
Operation System	Microsoft® Windows® XP or Vista™ or 10, 7, 8 or MAC® OS, NetWare®, UNIX® or Linux.
VLAN ID Range	1-4088 (0,4089-4095 is used already)
Others	
Temperature	Storeage temperature: -40 ℃ - 70℃ Operating temperature: 0 ℃ - 50℃
Humidity	Storeage humidity: 5%-90%(Non-condensing) Operating humidity: 10%-90%(Non-condensing)
Package	1*HG1, 1*Power adapter,1*Quickinstallation guide

Specification

CATV Features	
Bandwith	54-870 MHz
Output resistance	75 ohms
Received avg optical power	-8 dBm to +2 dBm
RF otput power	≥17 dBmV/Ch

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