

Tenda

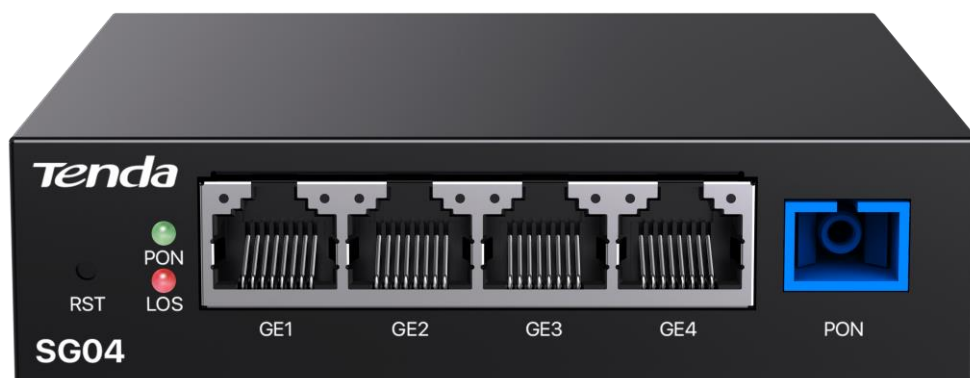


All for better networking.

SG04

4GE xPON ONU

Link
More



SG04

4GE xPON ONU

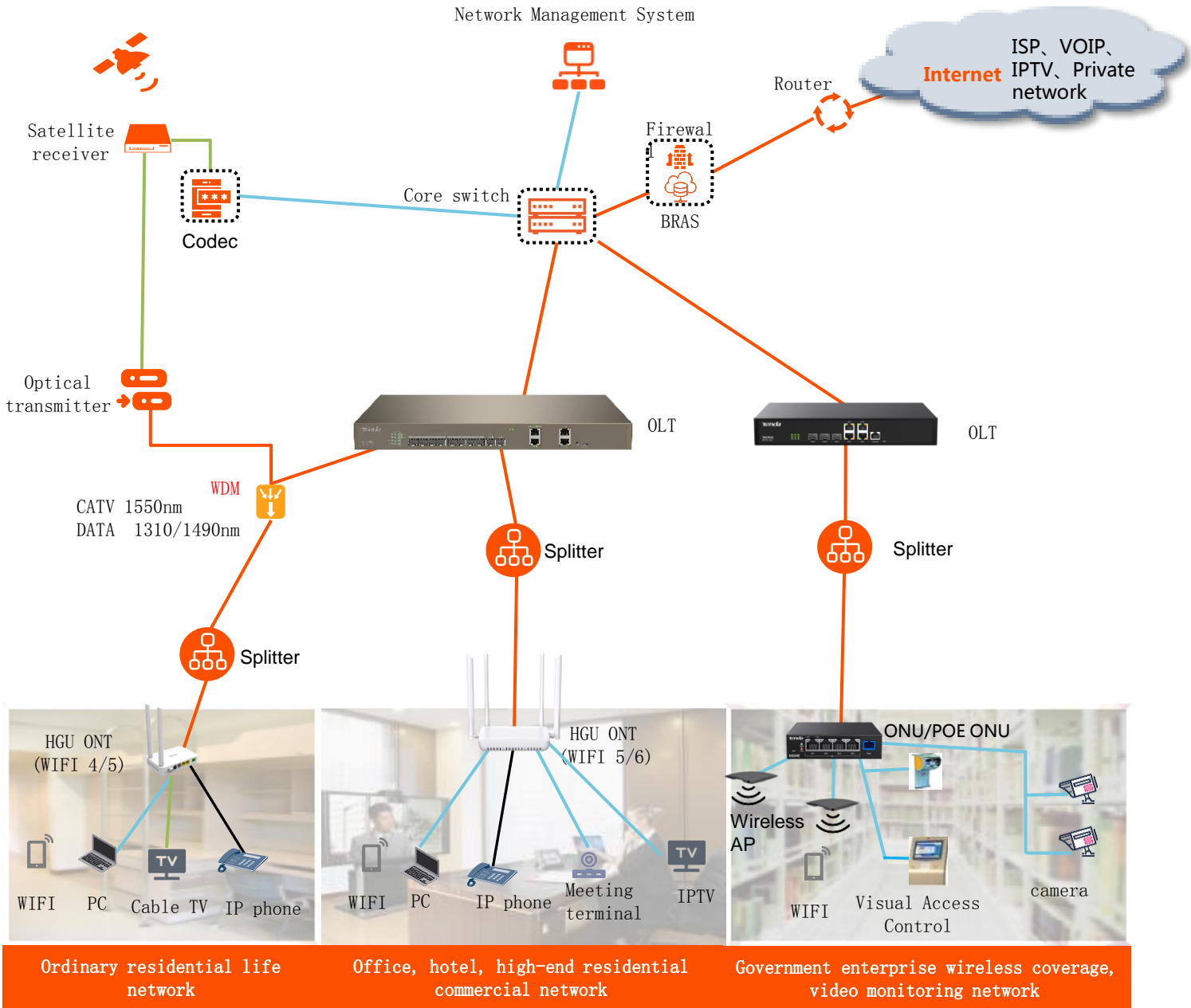
Product Description

SG04 is an iron shell xPON terminal that can provide 4 GE Ethernet ports, providing high-quality data access and video backhaul for enterprise campuses, video backhaul, and other scenarios.

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Product topology

- Fiber Cable
- Ethernet Cable
- Catv Cable
- Telephone Cable





Easy to manage and maintenance

Ready to use, automatic business operation
Support 12v~60v DC wide voltage input to avoid "burning down" with wrong Poe power adapter



Highly reliable, compact, and easy to deploy

Not afraid of cold at minus 20 °C
Not afraid of cold at 55 °C above zero
6KV ports lightning protection
Small iron shell, flexible deployment:

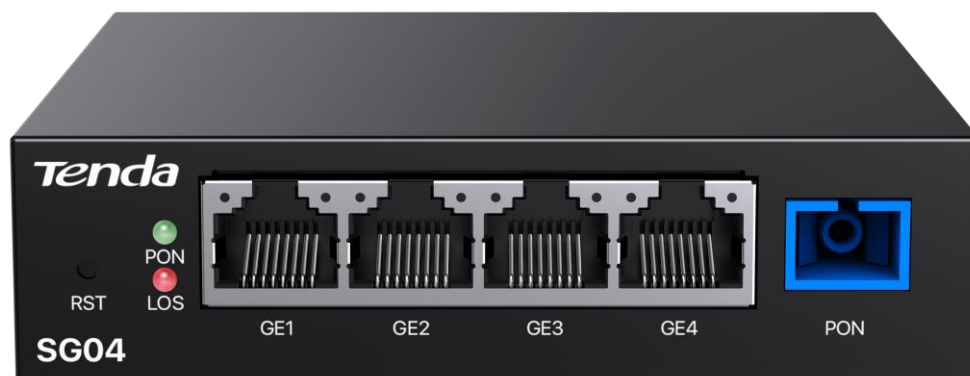


Good OLT compatibility

Tenda lab has conducted several compatibility tests on global mainstream OLT brands, such as Huawei, ZTE, Fiberhome, NOKIA, CALIX, etc., to ensure that ONT is perfectly adapted to the ISP local environment

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Product interface



Character Panel	Interface/button name	Quantity	Description
RST	Reset key	1	Used to manually restart the product
GE1~4	GE ethernet port	4	Provide 4 GE network ports
PON	xPON service port	1	Provides xPON service interfaces
DC	power interface	1	Used to connect 12V DC power adapter

LED screen printing	LED Indicator Type	color	Status	Description
PON	ONU registration indicator	green	Solid on	The ONU is registered successfully.
			Blinking	The ONU is registering.
			Off	The ONU is unregistered.
LOS	PON port optical signal indicator	red	Blinking	The received optical power is lower than the optical receiver sensitivity.
			Off	The received optical power is at a proper value.
LAN	LAN port indicator	Green (1000M) Orange (10/100M)	Solid on	The LAN port is connected. No data is being transmitted.
			Blinking	The LAN port is transmitting data.
			Off	The LAN port is disconnected.

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Specification

Hardware Features	
Standards	ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4, IEEE 802.3ah
Optical Mode	Class B+
Optical Wavelength	Transmit at 1310nm, Receive at 1490nm
Transmission Distance	20km Max
Bandwidth	EPON: Upstream 1.244Gbps Max, Downstream 1.244Gbps Max GPON: Upstream 1.244Gbps Max, Downstream 2.488Gbps Max
TX Power	0.5~5dBm
RX Power	-28~-8dBm
Dimensions (L×W×H)	100×100×26mm
Input Voltage & Frequency	100~240 V AC, 50/60 Hz
External Power Supply	DC 12V /1A
lightning Surge	GE: Differential mode:1KV;Common mode:6KV AC Power: Differential mode:4KV;Common mode:4KV
Power Consumption	≤3w
Certification	CE, RoHS
Software Features	
Basic functions	Support MPCP discovery & registration Support SN/Loid+password/Loid authentication Support triple churning Support dynamic bandwidth allocation (DBA) Support remote/local upgrade of ONU firmware
PON type	xPON type (EPON or GPON) and automatically connects to EPON/GPON OLT
Manage	WEB/TELNET/OAM/OMCI
LAN	Support port loopback, rate limiting Support ONU encryption Support traffic control
Multicast	IGMP snooping
QoS	Ethernet port speed limit, 802.1p priority, SP/WRR/SP+WRR



Specification

Environment	
Operating Temperature	-20° c ~ 55° c
Storage Temperature	-40° c ~ 70° c
Operating Humidity	10% ~ 95% (Non-condensing)
Storage Humidity	5% ~ 90% (Non-condensing)

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SG04/4GE xPON ONU