

Huawei HG8240 Delivering Ultra-Broadband Access to Home and SOHO Users

Product Highlights

Highest Performance:

HG8240 can deliver Gigabit speeds and traditional voice services with a energy-efficient low power design. It supports QoS enabling different revenue generating services over the fiber access.

Plug-and-play (PnP):

All services using the HG8240, including voice, data, and video services, are deployed through a point-and-click user interface, requiring no on-site configuration.

Remote maintenance:

Supports GPON Standards compliant OMCI protocols and allows remote fault diagnosis, service provisioning, and performance monitoring.

Automatic self-isolation:

In case of faults, the HG8240 can actively detect the optical port fault and isolate itself within 20 ms to eliminate potential threats to the shared network.

Highly-efficient remote bulk upgrade:

About 2000 HG8240s can be remotely upgraded in batches every hour for high operational efficiency.

IPv6 line-speed forwarding:

The HG8240 supports IPv4 and IPv6, offering seamless migration to IPv6 networks.

Power Management:

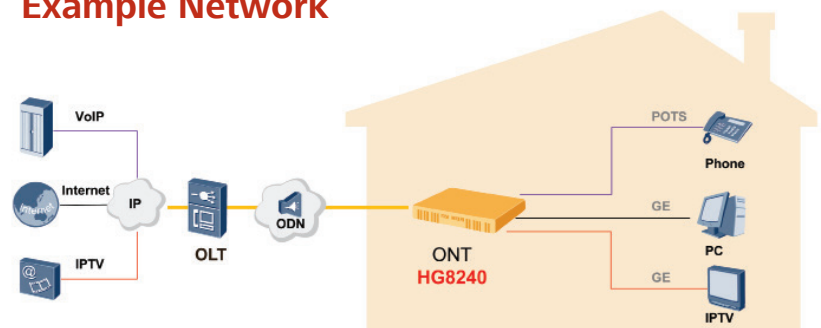
The HG8240 supports dynamic power consumption adjustment among three power modes (active, backup battery, and idle), thus reducing power consumption.



The HG8240 is a highly cost-effective high performance optical network terminal (ONT) that delivers ultra-broadband access to home and SOHO users. It is FCC and UL certified with a compact, aesthetic enclosure ideal for indoor applications. Its two POTS and Four ethernet ports can accommodate current and future home applications. The HG8240's rich feature set makes it the ideal ONT for FTTH deployments – enabling voice, video and data applications at home.

The HG8240 offers a number of features that help carriers implement their business strategies: Triple Play services, Tiered services up to Gigabit speeds, and different Layer2/Layer3 network deployment models. To help carriers address operational challenges, Huawei provides automatic provisioning, network monitoring, remote maintenance and management.

Example Network



The HG8240 connects home and SOHO users upstream to the network using its optical port, and it connects the four 10M/100M/1000M BASE-T ports downstream to service terminals such as PC, STB, or video phone set. In addition, two POTS ports (TEL 1 and TEL 2) on the HG8240 are for traditional phone sets.

Product Features

GPON features	<ul style="list-style-type: none"> • Authentication mode: SN, password, and SN+password • Mapping traffic to GEM port according to VLAN, 802.1P, VLAN+802.1p, IP Type of Service (IPToS), physical port, physical port+VLAN, physical port+802.1p, or physical port+VLAN+802.1p
Multicast features	<ul style="list-style-type: none"> • 255 multicast groups • IGMPv2/IGMPv3 snooping • Multi-multicast VLANs
Voice features	<ul style="list-style-type: none"> • Complies with SIP and H.248 • Supports G.711A/μ, G.729A/B, and G.722 codec • Supports T.38 and T.30 fax • Call waiting, call hold, call transfer, call forwarding unconditional (CFU), Call forwarding- busy, and call forwarding-don't answer • Multi-homing of POTS ports to different IMSs/softswitches
Ethernet features	<ul style="list-style-type: none"> • Supports two VLAN tags (inner tag used for identifying a specific ISP, and outer tag used for identifying a type of service) • VLAN filtering, VLAN N:1 aggregation, and VLAN 1:1 switching • Supports rate limit on an Ethernet port or a traffic stream
Maintainability & manageability	<ul style="list-style-type: none"> • Local equipment management through Web interface • Remote service provisioning, equipment management and software upgrade through OMCI • Dual backup of system software • Proactive or reactive rogue ONT isolation • Backup power supply and backup power supply monitoring • Supports OPM features

Product Specifications

Dimensions	176 mm W × 138.5 mm D × 28 mm H
Ports	4GE+2POTS
Power consumption	Minimum: 3.0 W Maximum: 7.0 W
Operating temperature	0°C to 40°C / 32°F to 104°F

Operating humidity	5% to 95% (non-condensing)
Power supply	Adapter input: 100-240 VAC, 50-60 Hz System power supply: 11-20 VDC, 1A
Weight	About 500g
Installation mode	Wall mount or desk top
Certification	FCC, UL



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