

A SMARTER WAY

FOR YOUR BROADBAND LIFE

Huawei VDSL Home Gateway HG659

Faster access

Better experience



Easy O&M

● Device Parameters

Dimensions (H x W x D) (without base)	37 mm x 240 mm x 186 mm	System power supply	12 V DC, 2 A
Weight	About 410 g	Maximum power consumption	< 24 W
Operating temperature	0°C to 40°C	Static power consumption	< 12 W
Operating humidity	5% RH to 95% RH (non-condensing)	Ports	NNI: 1DSL (VDSL2/ADSL2+)+1GE UNI: 4GE+2FXS+2USB 2.0
Power adapter input	100–240 V AC, 50–60 Hz	Indicators	Power/WAN/Internet/WLAN/VoIP/ LAN1–LAN4/USB

● Interface Parameters

DSL Port	<ul style="list-style-type: none"> • VDSL2: G.993.2 • VDSL2 profiles for 8a, 8b, 8c, 8d, 12a, 12b, 17a • ADSL2+: G.992.5 Annex A/Annex M • ADSL2: G.992.3 • ADSL: G.992.1 	WLAN	<ul style="list-style-type: none"> • 2.4GHz: IEEE 802.11 b/g/n, 2*2 MIMO • 5GHz: IEEE 802.11 a/n/ac, 3*3 MIMO • Antenna gain: 2 dBi • WMM • WPA-PSK/WPA2-PSK • Multiple SSIDs • WPS 2.0/ WPS mode: PBC/PIN • Air interface rate (theoretical value): 2.4G: 300 Mbit/s; 5G: 1300 Mbit/s
WAN Port	<ul style="list-style-type: none"> • IEEE 802.3, 802.3u and 802.3az • 10/100/1000 Mbit/s autonegotiation • MDI/MDIX autonegotiation • Routing and bridging 	Ethernet Ports	<ul style="list-style-type: none"> • LAN ports • IEEE 802.3 and IEEE 802.3u • 10/100/1000 Mbit/s autonegotiation • MDI/MDIX autonegotiation • MAC address learning
FXS Ports	<ul style="list-style-type: none"> • Maximum REN: 4 • G.711A/μ, G.729, and G.722 encoding/decoding • T.38/G.711 fax mode • RFC2833 and INBAND DTMF 	USB Port	<ul style="list-style-type: none"> • 2*USB 2.0 • USB storage device • FAT32/FAT/NTFS • IPP printer • DLNA

● Product Function

QoS	<ul style="list-style-type: none"> • Rate limitation • Upstream traffic classification • Priority queue 	Layer 3 Features	<ul style="list-style-type: none"> • PPPoE/PPPoA/Static IP/DHCP • NAT/NAPT • Port forwarding/DMZ • ALG, UPnP • DDNS/DNS proxy • IPv4/IPv6 dual stack, and DS-Lite • Static routes
Multicast	<ul style="list-style-type: none"> • IGMP proxy • MLD proxy 		<ul style="list-style-type: none"> • Web GUI, TR069 • Dual-system software backup
Security	<ul style="list-style-type: none"> • Parental control • SPI firewall • URL filter • Application filtering • ACL 	Common O&M	