![HUAWEI logo]

DG8245V Datasheet 01

Huawei Home Gateway DG8245V

Overview

The DG8245V is a high-performance DSL home gateway used in the ultra-broadband copper line solution. It uses the high-performance dual-core chip, supports dual-band Wi-Fi (2 x 2 11n+2 x 2 11ac).

- Faster Access
- Better Experience
- Easier O&M

Device Parameters

Dimensions (H x W x D) (without base)	160mm x 215mm x 41mm	**System power supply**	12 V DC, 1.5 A
Weight	About 300 g	**Static power consumption**	< 8W
Operating temperature	0℃ to 40℃	**Maximum power consumption**	≤ 18W
Operating humidity	5% RH to 95% RH (non-	**Ports**	NNI: 1DSL/1GE

	condensing)		UNI: 2FXS+4GE+2.4G/5G Wi-Fi+1USB 2.0
Power adapter input	100–240 V AC, 50/60 Hz	**Indicators**	Power/DSL/Internet/WLAN/WAN/LAN1–LAN4/VoIP/USB

Interface Parameters

DSL port	• ADSL G.992.1, G.992.2 • ADSL2 G.992.3 • ADSL2+.992.5 • VDSL2 G.993.2 • VDSL2 profiles for 8a, 8b, 8c, 8d, 12a, 12b, 17a	**WAN port**	• 1 GE WAN port • MDI/MDIX auto-sensing • Routing and bridging
FXS ports	• Two FXS ports • Maximum REN: 4 • G.711A/µ, G.729, and G.722 encoding/decoding • T.30/T.38/G.711 fax mode • DTMF • Emergency calls (with the SIP protocol)	**Ethernet ports**	• 4 GE LAN ports • MDI/MDIX auto-sensing • MAC address learning
WLAN	• IEEE 802.11 b/g/n (2.4G) • IEEE 802.11 a/n/ac (5G) • 2 x 2 MIMO (2.4G), 2 x 2 MIMO (5G) • WMM • WPA/WPA2 • Multiple SSIDs • WPS 2.0	**USB port**	• 1 USB 2.0 port • USB storage device or 3G/4G Dongle • FAT32/FAT/NTFS • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)

Product Function

Smart interconnection	• Smart Wi-Fi coverage(network consisting of APs and CPE) • Any port any service	**Layer 3 features**	• PPPoE/PPPoA/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack, and DS-Lite • Static/Default routes • Multiple services on one
Multicast	• IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping • Multicast services through Wi-Fi		

			WAN port
Security	• SPI firewall • Filtering based on MAC/IP/URL addresses	**QoS**	• Rate limitation • 802.1p priority • SP+WRR
Home network management	• Visualized home network management • User-defined bandwidth allocation • Parental control	**Common O&M**	• Web UI/TR069 • Dual-system software backup