

# DN8245X6-10 Datasheet 01

Huawei SuperVector Home Gateway DN8245X6-10

## Overview

The DN8245X6-10 is a SuperVector home gateway used in the ultra-broadband copper line solution. It uses the high-performance dual-core chip, supports dual-band Wi-Fi 6(2 x 2 11ax+2 x 2 11ax).

- Faster Access
- Better Experience
- Easier O&M



## Device Parameters

|                                  |                                  |                                  |                                                                              |
|----------------------------------|----------------------------------|----------------------------------|------------------------------------------------------------------------------|
| <b>Dimensions (without base)</b> | 178mm × 138mm × 37mm             | <b>System power supply</b>       | 12 V DC, 1.5 A                                                               |
| <b>Weight</b>                    | About 288 g                      | <b>Static power consumption</b>  | 9.5W                                                                         |
| <b>Operating temperature</b>     | 0°C to 40°C                      | <b>Maximum power consumption</b> | 18W                                                                          |
| <b>Operating humidity</b>        | 5% RH to 95% RH (non-condensing) | <b>Ports</b>                     | NNI: DSL/GE (WAN/LAN auto-sensing)<br>UNI: 2FXS+4GE+2.4G/5G Wi-Fi 6+1USB 2.0 |
| <b>Power adapter input</b>       | 100–240 V AC, 50/60 Hz           | <b>Indicators</b>                | Power/WAN/Internet/WLAN/LAN1–LAN4/VoIP                                       |

## Interface Parameters

|                  |                                                                                                                                                                                                                                                            |                       |                                                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DSL port</b>  | <ul style="list-style-type: none"> <li>• ADSL G.992.1, G.992.2, ANSI T1.413 Issue 2</li> <li>• ADSL2 G.992.3</li> <li>• ADSL2+ G.992.5</li> <li>• VDSL2 G.993.2</li> <li>• VDSL2 profiles for 8a, 8b, 8c, 8d, 12a, 12b, 17a and 35b</li> </ul>             | <b>WAN port</b>       | <ul style="list-style-type: none"> <li>• MDI/MDIX auto-sensing</li> <li>• Routing and bridging</li> </ul>                                                                                                          |
| <b>FXS ports</b> | <ul style="list-style-type: none"> <li>• Two FXS ports</li> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul> | <b>Ethernet ports</b> | <ul style="list-style-type: none"> <li>• 4 GE LAN ports (WAN/LAN auto-sensing)</li> <li>• MDI/MDIX auto-sensing</li> <li>• MAC address learning</li> </ul>                                                         |
| <b>WLAN</b>      | <ul style="list-style-type: none"> <li>• IEEE 802.11 ax (2.4G &amp; 5G)</li> <li>• 2 x 2 MIMO (2.4G &amp; 5G)</li> <li>• WMM</li> <li>• WPA/WPA2/WPA3</li> <li>• Multiple SSIDs</li> <li>• WPS 2.0</li> </ul>                                              | <b>USB port</b>       | <ul style="list-style-type: none"> <li>• 1 USB 2.0 port</li> <li>• USB storage device</li> <li>• FAT32/FAT/NTFS</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul> |

# Product Function

|                              |                                                                                                                                                   |                             |                                                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Smart interconnection</b> | <ul style="list-style-type: none"> <li>Smart Wi-Fi coverage(network consisting of APs and CPE)</li> <li>Any port any service</li> </ul>           | <b>Layer 3 features</b>     | <ul style="list-style-type: none"> <li>PPPoE/PPPoA/Static IP/DHCP</li> <li>NAT/NAPT</li> <li>Port forwarding</li> <li>ALG, UPnP</li> <li>DDNS/DNS server/DNS client</li> <li>IPv6/IPv4 dual stack, and DS-Lite</li> <li>Static/Default routes</li> <li>Multiple services on one WAN port</li> </ul> |
| <b>Multicast</b>             | <ul style="list-style-type: none"> <li>IGMP v2/v3 proxy/snooping</li> <li>MLD v1/v2 snooping</li> <li>Multicast services through Wi-Fi</li> </ul> |                             |                                                                                                                                                                                                                                                                                                     |
| <b>Security</b>              | <ul style="list-style-type: none"> <li>Parent control</li> <li>SPI firewall</li> <li>Filtering based on MAC/IP/URL addresses</li> </ul>           | <b>Home network feature</b> | <ul style="list-style-type: none"> <li>Visualized home network management</li> <li>User-defined bandwidth allocation</li> <li>Band steering</li> <li>Schedule Wi-Fi</li> <li>Wi-Fi O&amp;M</li> <li>Beamforming</li> <li>DL MU MIMO</li> <li>1024-QAM</li> <li>160MHz channel width</li> </ul>      |
| <b>QoS</b>                   | <ul style="list-style-type: none"> <li>Rate limitation</li> <li>802.1p priority</li> <li>SP+WRR</li> </ul>                                        |                             |                                                                                                                                                                                                                                                                                                     |
| <b>Common O&amp;M</b>        | <ul style="list-style-type: none"> <li>Web UI/TR069</li> <li>Dual-system software backup</li> </ul>                                               |                             |                                                                                                                                                                                                                                                                                                     |

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