The D-Link DWM-312 4G LTE M2M Router is an easy-to-deploy high-performance Virtual Private Network (VPN) router with mobile connectivity to allow easy access to mobile broadband networks. Create a powerful private network for your home or small office with easy setup tools, advanced configuration options, and built-in security features.

**Fast Mobile Internet**

The DWM-312 4G LTE M2M Router lets you connect to your 3G/4G mobile connection with fast downlink speeds of up to 150 Mbps and uplink speeds of up to 50 Mbps, giving you the speed you need for fast, responsive Internet access. The auto-failover feature automatically switches between mobile broadband and fixed-line broadband to ensure you stay connected to the Internet in case one connection fails.

**Reliable Virtual Private Networks**

The DWM-312 4G LTE M2M Router lets you create a secure high-speed Virtual Private Network (VPN) for access remotely or locally. It supports IPSec, OpenVPN, PPTP, L2TP and GRE protocols, and also handles pass-through traffic. Advanced VPN configuration options can be set using the comprehensive setup wizard and includes multiple encryption options, key management, negotiation modes, and VPN authentication support using an internal user database. With the DWM-312 you'll have all the tools you need to create the ideal VPN solution for your network.
Sample Applications

4G LTE Service Tower

Public AP

Smart City

Public Transit

Digital Signage

Waste Management

Vending Machine

ATM

Photobooth

Machine to Machine

Parking Meter

Commercial Laundry

Point-of-Sale

Sample Applications

Hardware Overview

WAN/LAN Port 1

LAN, Port 2

DC Power

Network Connectivity LED

Wi-Fi LED

Signal Strength LED

Wall Mounts
# Technical Specifications

## General

<table>
<thead>
<tr>
<th>SKU 1 (E)</th>
<th>SKU 4 (AU)</th>
<th>SKU 5 (J)</th>
<th>SKU 6 (EU)</th>
</tr>
</thead>
</table>
| Cellular Frequency Support 1  
- LTE Cat. 4 Bands 1/3/5/7/8/20/38/40/41  
- UMTS/HSPA B1/B5/B8, 850/900/2100 MHz  
- GSM/GPRS/EDGE: 900/1800 MHz  | LTE Cat. 4 Bands 1/2/3/4/5/7/8/28/40  
- UMTS/HSPA B1/B2/B5/B8, 850/900/1900/2100 MHz  
- GSM/GPRS/EDGE: 850/900/1800/1900 MHz | LTE Cat. 4 Bands 1/3/8/18/19/26/41  
- UMTS/HSPA 1/6/8/19, 800/900/2100 MHz  | LTE Cat. 4 Bands 1/3/8/20/28A/38/40/41  
- UMTS/HSPA B1/B8, 900/2100 MHz  
- GSM/GPRS/EDGE 900/1800 MHz |
| Maximum Cellular Data Throughput  
- LTE FDD: 150 Mbps (DL) / 50 Mbps (UL)  
- LTE TDD: 130 Mbps (DL) / 30 Mbps (UL)  
- DC-HSDPA/HSUPA: 42 Mbps (DL) / 5.76 Mbps (UL) | WCDMA: 384 Kbps (DL) / 384 Kbps (UL)  
- EDGE: 296 Kbps (DL) / 236.8 Kbps (UL)  
- GPRS: 107 Kbps (DL) / 85.6 Kbps (UL) |
| Device Interfaces  
- One 10/100 Ethernet WAN/LAN port  
- One 10/100 Ethernet LAN port  
- Micro SD card slot | 2 SIM slots (Micro-3FF)  
- DC input |
| Antennas  
- Two detachable 3G/4G antennas | One detachable Wi-Fi antenna |
| Standards  
- IEEE 802.3i  
- IEEE 802.3u | 802.11n/g/b |
| Wi-Fi Data Rates2  
- Up to 150 Mbps with 802.11n clients  
- 6/9/11/12/18/24/36/48/54 Mbps in 802.11g mode | 1/2/5.5/11 Mbps in 802.11b mode |
| Advanced Features  
- SNMP Support  
- Web-based UI  
- TR-069 CPE WAN Management Protocol | DECS  
- Remote Management of UPS  
- Remote Management of Devices |

## Functionality

| Wireless Security Features  
- 64/128-bit WEP (Wired Equivalent Privacy)  
- WPA & WPA2 (Wi-Fi Protected Access) | Firewall  
- Network Address Translation (NAT)  
- Stateful Packet Inspection (SPI) |
| Firewall  
- QoS  
- Low, normal, and high priority levels according to source/destination IP or destination port | VPN  
- IPSec/OpenVPN/PPTP/L2TP/GRE VPN |
| SMS  
- New incoming SMS notification  
- SMS compose, send, read, forward, reply, and delete | |

## Physical

| LED Status Indicators  
- Network Connectivity  
- Wi-Fi | Signal Strength |
| Power  
- 5 V / 2 A adapter  
- Flexible input: DC 5V / 2 A ~ 18 V / 0.7 A | |
| Enclosure  
- Corrosion-resistant zinc-plated steel | |
| Dimensions  
- 93 x 70 x 23.6 mm (3.66 x 2.76 x 0.92 in) | |
| Weight  
- 210 g (7.41 oz) | |
| Temperature  
- Operating: -30 to 60 °C (-22 to 140 °F)  
- Storage: -40 to 85 °C (-40 to 185 °F) | |
| Humidity  
- Operating: 10% to 90% non-condensing  
- Storage: 0 to 95% non-condensing | |

## Order Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>DWM-312</td>
<td>4G LTE M2M Router</td>
</tr>
</tbody>
</table>

1 Supported frequency band is dependent upon regional hardware version. 2 Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

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