

## Product Highlights

### Blazing Fast 4G LTE

Reliable LTE connectivity with speeds of up to 150 Mbps<sup>1</sup>. Configurable dual-SIM fallback provides reliability and flexibility in mixed network environments.

### Robust Design

Industrial grade enclosure and flexible power input provides modular connectivity in any environment

### Powerful Tools

Ready for rapid deployment with support for SNMP and D-View 7 network management tools.

## DWM-312

# 4G LTE M2M Router

## Features

### Connectivity

- Blazing fast LTE speeds up to 150 Mbps<sup>1</sup>
- Fast Ethernet for broad compatibility
- Dual-SIM for High Reliability

### Simplicity

- Plug-and-Play with Ethernet interface
- Easy-to-use web interface for advanced cases

### Advanced VPN and Management Features

- Supports IPSec, PPTP, L2TPv2, GRE tunnels
- AES encryption, Legacy DES and 3DES support
- Automated key management via IKE/ISAKMP
- IPSec NAT-Traversal
- XAUTH (Extended Authentication) for IPSec Authentication
- D-Link D-View 7 and SNMP management support for rapid deployment
- TR-069 CPE WAN Management Protocol

### Rugged and Flexible

- Zinc-plated steel case for durability
- Wide operating temperature and humidity tolerance
- Wall-mounts allow optimal placement



The D-Link DWM-312 4G LTE M2M Router is an easy-to-deploy, high performance 3G/4G router. It features a dedicated Fast Ethernet port and dual-SIM 4G LTE mobile broadband for maximum redundancy and flexibility for intense Machine to Machine applications. Powerful VPN tools and advanced remote management combined with ease of use make the DWM-312 ideal for both large-scale and individual deployments.

## Connectivity Where You Need It Most

Easily connect to your high-speed 3G/4G LTE mobile connection with the DWM-312 4G LTE M2M Router, and enjoy fast downlink speeds of up to 150 Mbps<sup>1</sup> and uplink speeds up to 50 Mbps<sup>1</sup>, giving you the speed you need for fast, responsive Internet access. Deploy it in a remote location to access IP cameras and systems remotely. The blazing fast LTE connection allows multiple users to access e-mail and stream music and video on the go. Configurable dual-SIM fallback provides reliability and flexibility in mixed network environments.

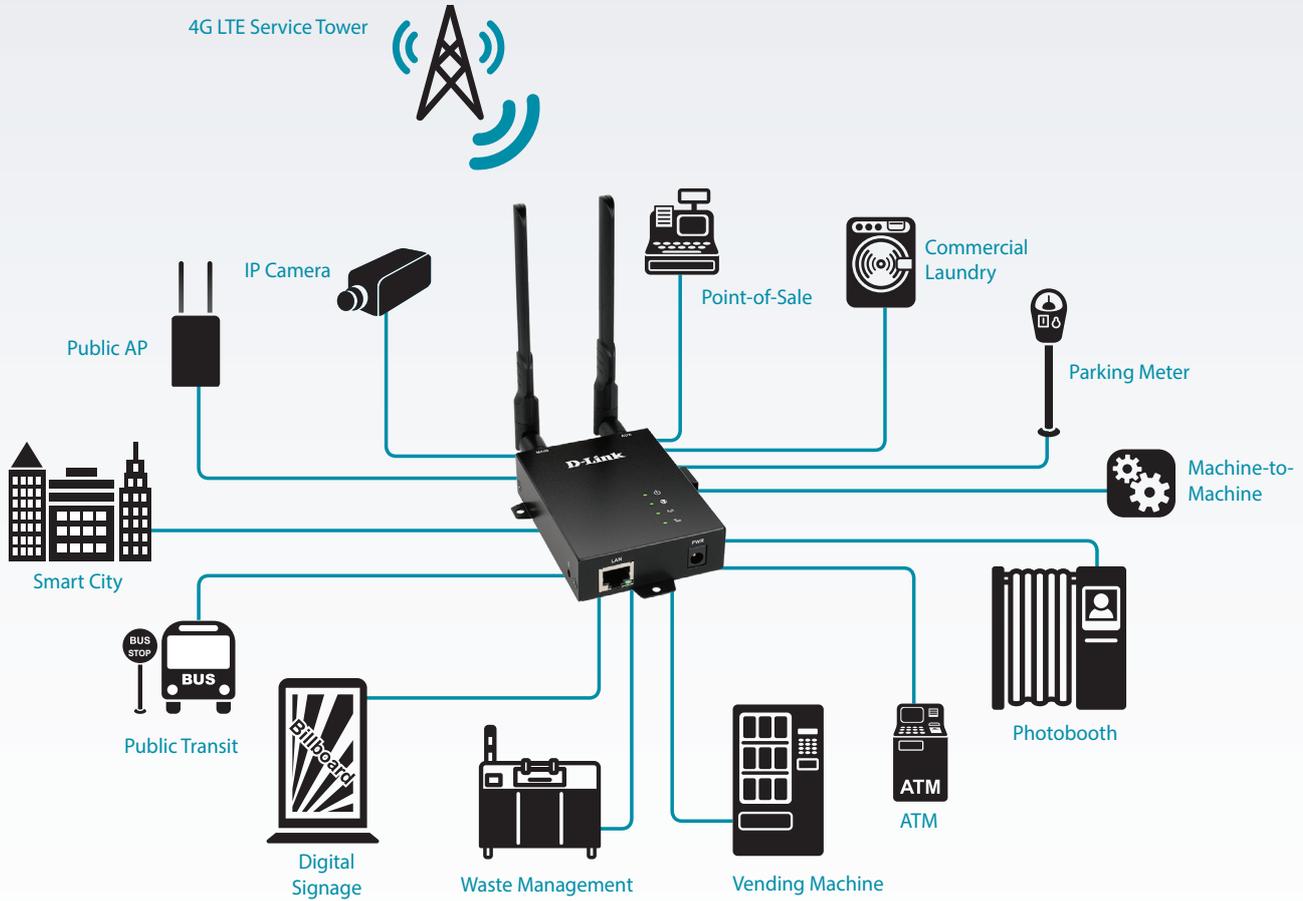
## Reliable High Speed Virtual Private Networks

The DWM-312 4G LTE M2M Router's integrated VPN Client and Server support almost any VPN policy. The router's hardware engine can support and manage multiple VPN configurations. It supports IPSec, PPTP, L2TPv2, and GRE protocols in Server mode, and handles pass-through traffic as well. Advanced VPN configuration options include multiple encryption options, key management, negotiation modes, and VPN authentication using an internal user database.

## Robust

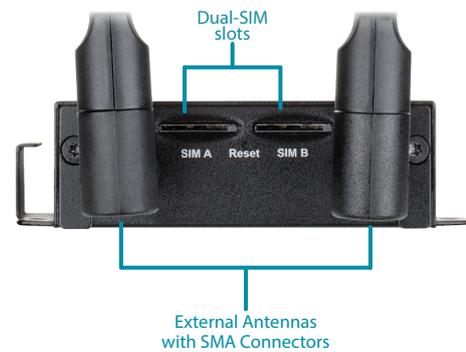
The industrial grade casing means the DWM-312 provides reliable high-speed connectivity in extreme conditions. The corrosion-resistant zinc-plated steel case and wide operating temperature and humidity tolerance mean that the DWM-312 is ready for the most demanding M2M applications in virtually any environment. Wall mounts allow the DWM-312 to be mounted virtually anywhere for optimal connectivity. Flexible power input allows the router to be powered by any convenient power source.

# Sample Applications



Front Panel

Back Panel



## Technical Specifications

### General

Mobile Network Support <sup>2</sup>	<ul style="list-style-type: none"> <li>• SKU 1 <ul style="list-style-type: none"> <li>• LTE Cat. 4 Bands 1/3/5/7/8/20/38/40/41</li> <li>• UMTS/HSPA 1/5/8, 850/900/2100 Mhz</li> <li>• GSM/GPRS/EDGE: 900/1800 MHz</li> </ul> </li> <li>• SKU 2 <ul style="list-style-type: none"> <li>• LTE Cat. 4 Bands 2/4/12</li> <li>• UMTS/HSPA 2/4/5, 850/1700/1900 Mhz</li> </ul> </li> <li>• SKU 3 <ul style="list-style-type: none"> <li>• LTE Cat 4 Bands 4/13</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• SKU 4 <ul style="list-style-type: none"> <li>• LTE Cat. 4 Bands 1/2/3/4/5/7/8/28/40</li> <li>• UMTS/HSPA 1/5/8, 900/1900/2100 Mhz</li> <li>• GSM/GPRS/EDGE: 850/900/1800/1900 MHz</li> </ul> </li> <li>• SKU 5 <ul style="list-style-type: none"> <li>• LTE Cat. 4 Bands 1/3/8/18/19/26/41</li> <li>• UMTS/HSPA 1/6/8/19, 800/900/2100 Mhz</li> </ul> </li> <li>• SKU 6 <ul style="list-style-type: none"> <li>• LTE Cat. 4 Bands 1/3/7/8/20/28A/38/40/41</li> <li>• UMTS/HSPA 1/8, 900/2100 Mhz</li> <li>• GSM/GPRS/EDGE 900/1800 MHz</li> </ul> </li> </ul>
Data Throughput <sup>1</sup>	<ul style="list-style-type: none"> <li>• LTE Throughput <ul style="list-style-type: none"> <li>• Up to 150 Mbps down/50 Mbps Up</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• HSPDA-DC up to 42 Mbps down/5.76 Mbps up</li> <li>• EDGE up to 236.8 kbps</li> </ul>
Device Interfaces	<ul style="list-style-type: none"> <li>• 1 x 10/100 Fast Ethernet LAN port</li> <li>• 1 x 5.5 mm DC input</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x SMA (antenna connectors)</li> <li>• Dual Micro-SIM slots</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3i</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3u</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• QoS engine (Quality of Service)</li> <li>• L2TP/PPTP/IPSec VPN Client/Server modes</li> <li>• SNMP and D-View 7 Support</li> </ul>	<ul style="list-style-type: none"> <li>• Firmware over the air (FOTA) upgrades</li> <li>• Web-based UI</li> <li>• TR-069 CPE WAN Management Protocol</li> </ul>

### Physical

LED Status Indicators	<ul style="list-style-type: none"> <li>• Power</li> <li>• Internet Connectivity</li> <li>• Network Status</li> </ul>	<ul style="list-style-type: none"> <li>• Signal Strength</li> <li>• Ethernet</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 5V/2A adapter</li> </ul>	<ul style="list-style-type: none"> <li>• Flexible input: DC 5V/2A ~ 18V/0.7A</li> </ul>
Enclosure	<ul style="list-style-type: none"> <li>• Corrosion-resistant zinc-plated steel</li> </ul>	
Dimensions	<ul style="list-style-type: none"> <li>• 93 x 70 x 23.6 mm (3.66 x 2.76 x 0.92 in)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 210 g (7.41 oz)</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>• Operating: -20 to 60 °C (-4 to 140 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage : -40 to 85 °C (-40 to 185 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 5% to 85% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 0% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE</li> </ul>	

### Order Information

Part Number	Description
DWM-312	4G LTE M2M Router

<sup>1</sup> Data rates are theoretical. Data transfer rate depends on network capacity, signal strength, and environmental factors.

<sup>2</sup> Available frequencies and speeds vary and may not be available in all regions.  
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