

## 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 Simple Network Management Protocol (SNMP) network management tools

## DWM-312W

# 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

- Support for IPSec, GRE, and OpenVPN tunneling
- TR-069 CPE WAN Management Protocol

### Sturdy and Flexible

- Wide operating temperature and humidity tolerance
- Wall mounts allow optimal placement



The D-Link DWM-312W 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-312W 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-312W 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 strategic location to access IP cameras and systems remotely. The blazing fast LTE connection allows multiple users to access e-mail, and stream music and watch videos on the go. Configurable dual-SIM fallback provides reliability and flexibility in mixed network environments.

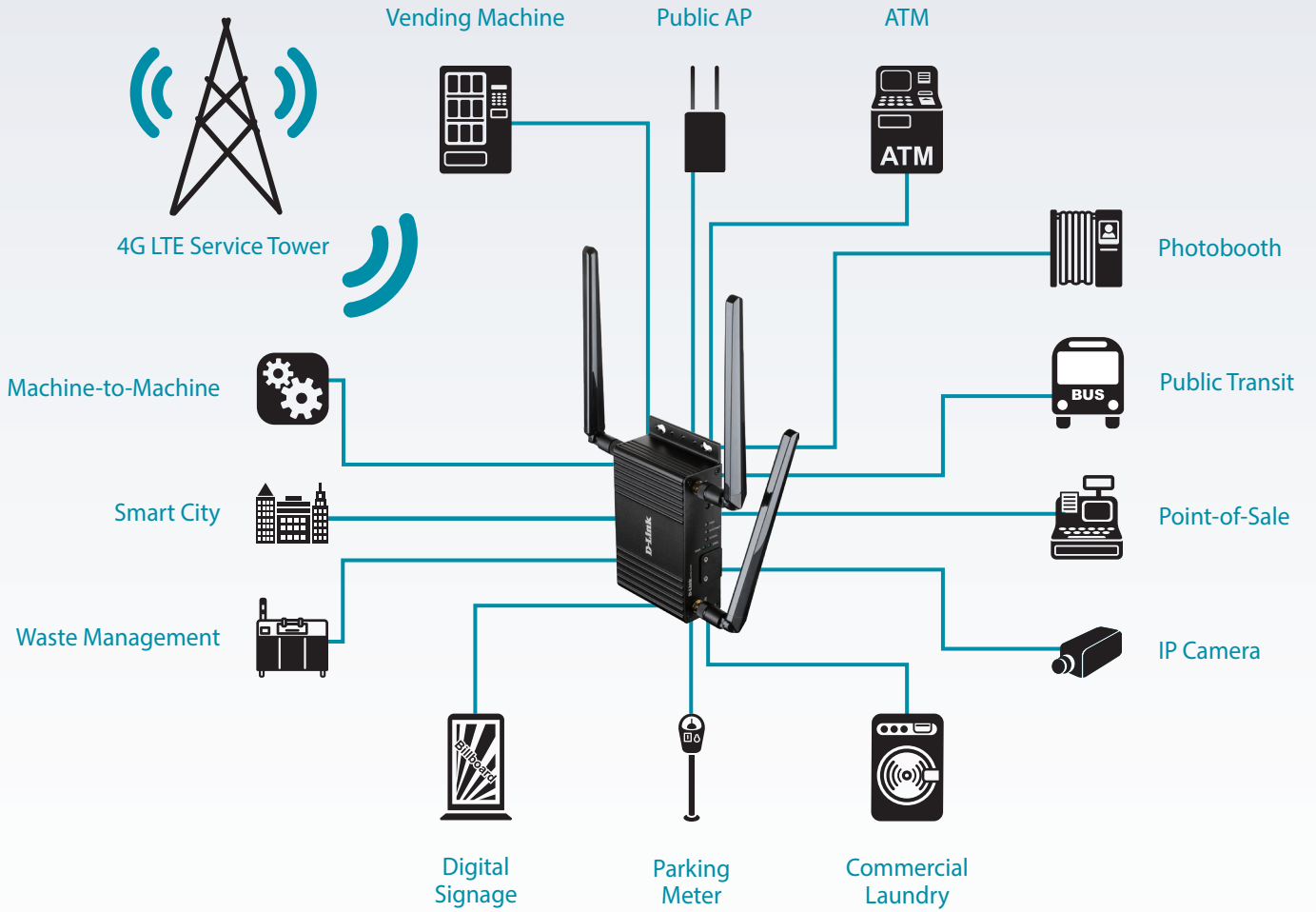
## Reliable High Speed Virtual Private Networks

The DWM-312W 4G LTE M2M Router's integrated VPN client and server is compatible with almost any VPN policy. The router's hardware engine can support and manage multiple VPN configurations. It supports IPSec, GRE, and OpenVPN protocols and handles pass-through traffic as well. Advanced VPN configuration settings include multiple encryption options, key management, negotiation modes, and VPN authentication using an internal user database.

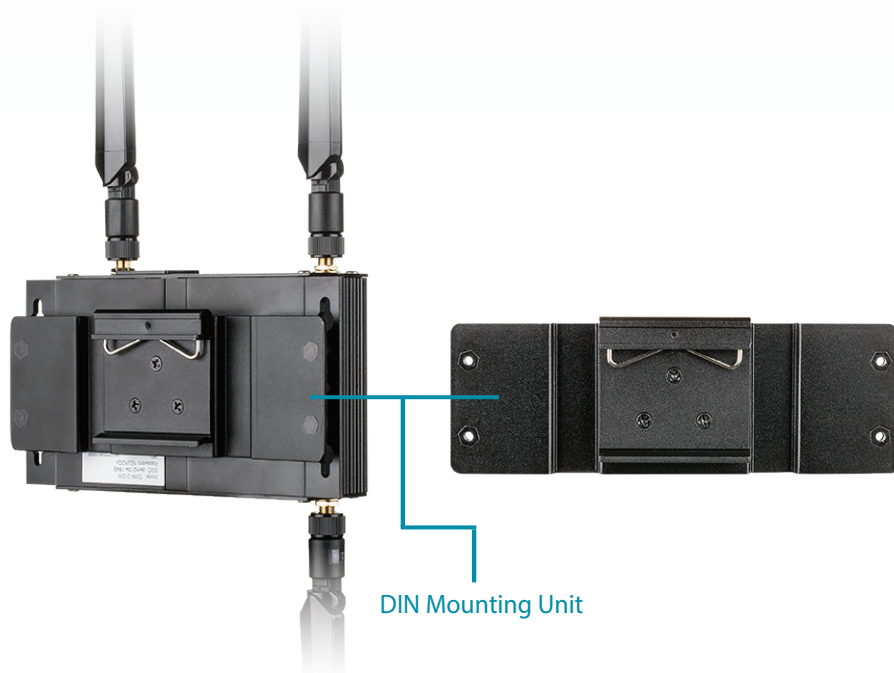
## Robust

The industrial grade casing means the DWM-312W provides reliable high-speed connectivity in extreme conditions. The corrosion-resistant case, wide operating temperature and humidity tolerance means that the DWM-312W is ready for the most demanding M2M applications in virtually any environment. Equipped with wall and DIN rail mounting configurations, the DWM-312W can be installed practically anywhere for optimal connectivity. Flexible power input allows the router to operate under any convenient power source.

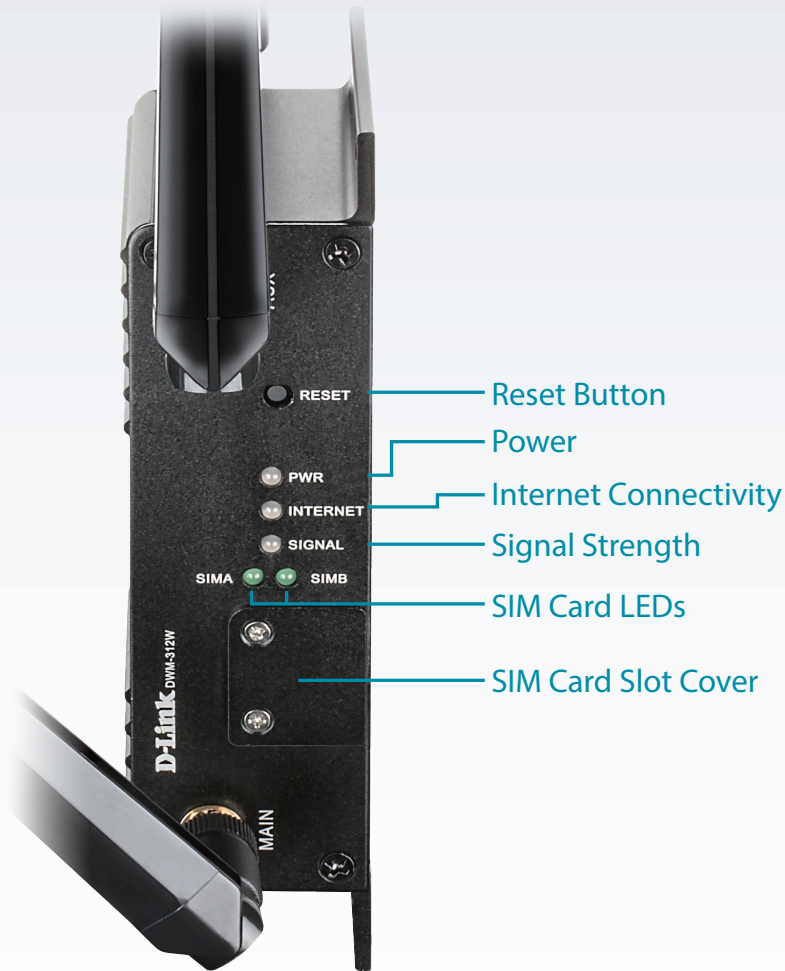
### Sample Applications



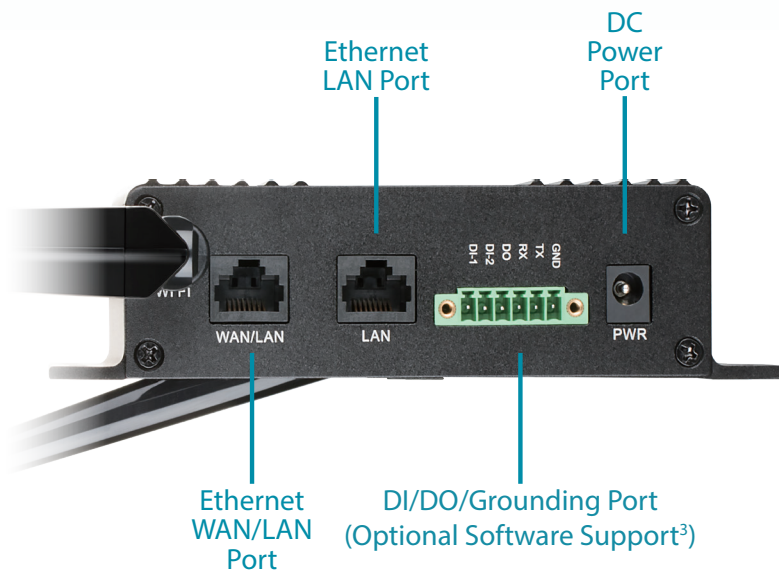
### DIN Mounting



### Right Panel



### Left Panel



# DWM-312W

## 4G LTE M2M Router

### 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 2/4/5/12/13/14/66/71</li> <li>• UMTS/HSPA 2/4/5, 850/1700/1900 Mhz</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• SKU 3 <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, 2100/850/900 MHz</li> <li>• GSM/GPRS/EDGE: 2/3/5/8, 850/900/1800/1900 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 WAN/LAN port</li> <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>• 3 x SMA antenna connectors: 2 LTE+1 Wi-Fi</li> <li>• Dual standard 2FF SIM slot</li> <li>• DI/DO/Grounding ports</li> </ul>
Wi-Fi	<ul style="list-style-type: none"> <li>• 802.11n/g/b</li> <li>• 1x1</li> </ul>	<ul style="list-style-type: none"> <li>• Operates on the 2.4 GHz band</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>• IPSec VPN Client/Server modes</li> </ul>	<ul style="list-style-type: none"> <li>• Firmware upgrades via D-Link Edge Cloud System</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> </ul>	<ul style="list-style-type: none"> <li>• SIM Status</li> <li>• Signal Strength</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 12V / 1 A adapter</li> </ul>	<ul style="list-style-type: none"> <li>• Flexible input: DC 9V / 2A ~ 36V / 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>• 134 x 76 x 32 mm (5.28 x 2.99 x 1.26 in)</li> </ul>	<ul style="list-style-type: none"> <li>• DIN Mount: 149 x 50 x 15 mm (5.87 x 1.97 x 0.55in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 500 g (17.64 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>• RoHS</li> </ul>	

#### Order Information

Part Number	Description
DWM-312W	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.

<sup>3</sup> This feature will only be supported for projects.

Updated 2019/09/24