D-Link®
Building Networks for People

DWM-312

4G LTE M2M Router

Features

Connectivity
- Blazing fast LTE speeds up to 150 Mbps[1]
- Fast Ethernet for broad compatibility
- Dual-SIM slot 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 a wide range of Machine to Machine (M2M) applications. Advanced VPN and remote management features 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. Enjoy fast downlink speeds of up to 150 Mbps[1] and uplink speeds up to 50 Mbps[1], facilitating a fast and responsive Internet access. Deploy it in a remote location to access IP cameras and systems remotely. The blazing fast LTE connection allows responsive M2M connectivity. Configurable dual-SIM fallback provides reliability and flexibility in mixed network environments.
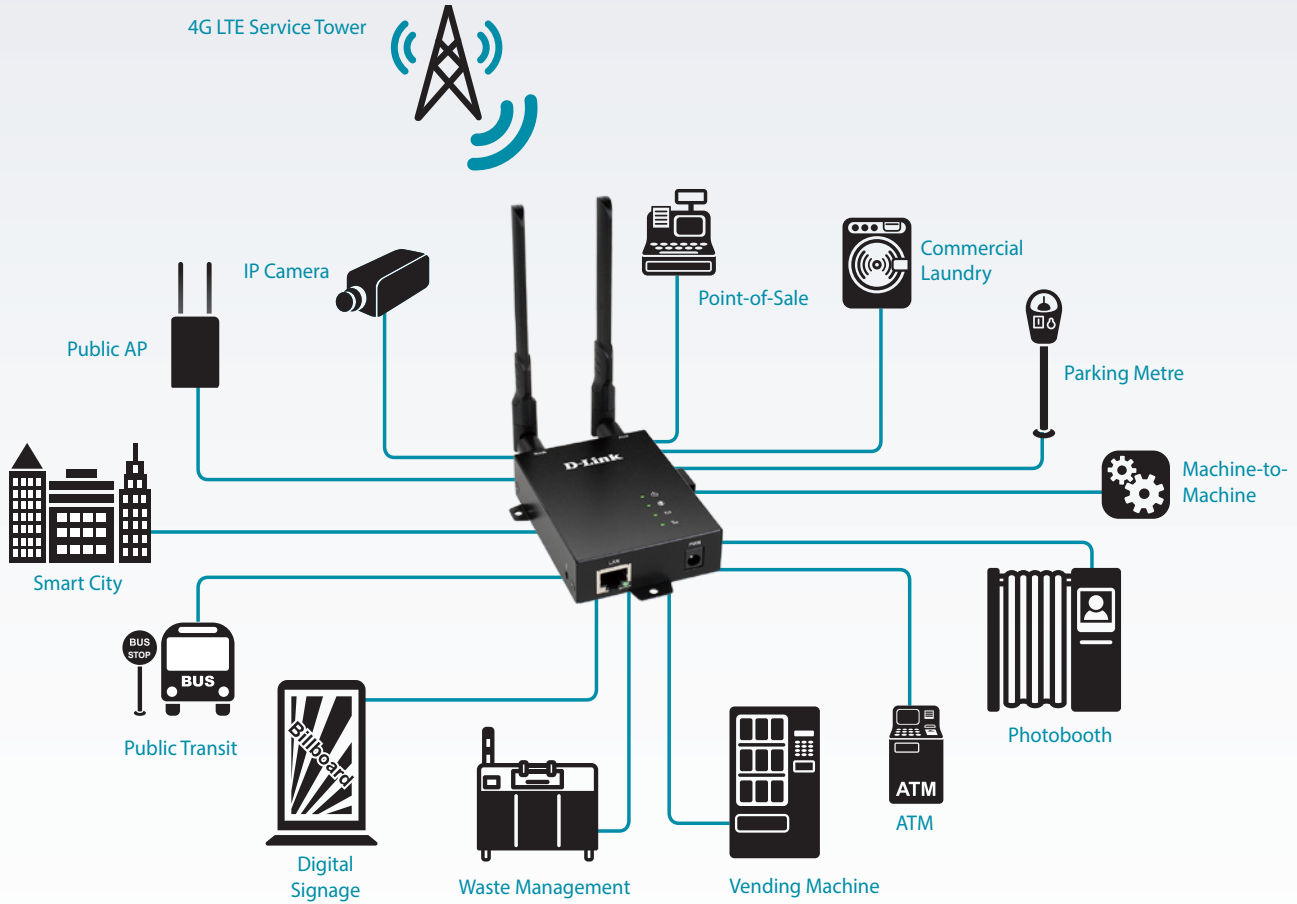
Reliable High-Speed Virtual Private Networks

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.
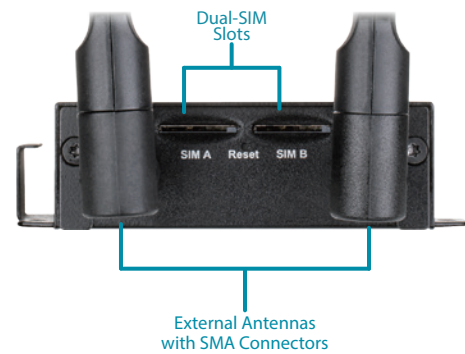
Robust

The industrial grade casing means the DWM-312 provides reliable high-speed connectivity in challenging 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

4G LTE Service Tower

IP Camera

Public AP

Point-of-Sale

Commercial Laundry

Parking Metre

Machine-to-Machine

Smart City

Public Transit

Photobooth

Digital Signage

Waste Management

Vending Machine

ATM

Front Panel

Wall Mounts

Power LED

Internet Connectivity

Network Type LED

Signal Strength

LAN

PWR

Ethernet Port

DC Power

Back Panel

Dual-SIM Slots

SIM A   Reset   SIM B

External Antennas with SMA Connectors

MAIN   AUX

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Technical Specifications

General

Mobile Network Support	• LTE Cat. 4 Bands 1/2/3/5/7/8/20/28/38/40 • UMTS/HSPA 1/2/5/8, 850/900/1900/2100 Mhz	• Quadband GSM
Data Throughput[1]	• LTE Throughput up to 150 Mbps down/50 Mbps up • HSPDA-DC up to 42 Mbps down/5.76 Mbps up	• Quadband EDGE up to 236.8 kbps
Device Interfaces	• 1 x 10/100 Fast Ethernet WAN port • 1 x 5.5 mm DC input	• 2 x SMA (antenna connectors) • Dual Micro-SIM slots
Standards	• IEEE 802.3i	• IEEE 802.3u
Advanced Features	• QoS engine (Quality of Service) • L2TP/PPTP/IPSec VPN Client/Server modes • SNMP and D-View 7 Support	• Firmware over the air (FOTA) upgrades • Web-based UI • TR-069 CPE WAN Management Protocol

Physical

LED Status Indicators	• Power • Internet Connectivity • Network Status	• Signal Strength • Ethernet
Power	• 5V/2A adapter	• Flexible input: DC 5V/2A ~ 18V/0.7A
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: -20 to 60 ˚C (-4 to 140 ˚F)	• Storage : -40 to 85 ˚C (-40 to 185 ˚F)
Humidity	• Operating: 5% to 85% non-condensing	• Storage: 0% to 95% non-condensing
Certifications	• RoHS • CE	• FCC

[1] Data rates are theoretical. Data transfer rate depends on network capacity, signal strength, and environmental factors.

For more information: www.dlink.com

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