

Product Highlights

Ready to Deploy

Cost-effective, pre-configured M2M solution provides complete connectivity out of the box

Blazing Fast 4G LTE

Reliable LTE connectivity with speeds of up to 150 Mbps¹

Robust Design

Industrial grade enclosure and standard interfaces provide modular connectivity in any environment



DWM-311

4G LTE Modem

Features

Connectivity

- Blazing fast Cat 4 LTE speeds up to 150 Mbps¹
- One 10/100/1000 Ethernet LAN Port to connect wired devices for high-speed activities

Simplicity

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

Rugged and Flexible

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

Advanced VPN Features

- Supports VPN tunnels for OpenVPN connections

Remote Management

- Compatible with D-Link Edge Cloud System (DECS) for remote management of devices

D-Link's DWM-311 4G LTE Modem is a robust 4G LTE modem that provides blazing fast connection speeds for embedded Machine-to-Machine (M2M) applications. The single mode LTE modem provides an economical and reliable high speed connection suitable for the most demanding Internet of Things (IoT) applications. This cost-effective device is pre-configured to provide a complete connectivity solution out of the box.

Robust

The industrial grade casing means the DWM-311 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-311 is ready for the most demanding M2M applications in virtually any environment. Wall mounts and flexible interfaces allow the DWM-311 to be mounted virtually anywhere for optimal connectivity.

Flexible

The DWM-311's Ethernet interfaces allow connectivity to be added to virtually any device. Ethernet means driverless, instant access for any Ethernet-enabled device, without the need for pre-configuration or special software. Ethernet makes the DWM-311 a true plug-and-play solution, suitable for mass deployment or small scale use. Should unique settings be required, the easy-to-use web interface can be configured through any web browser.

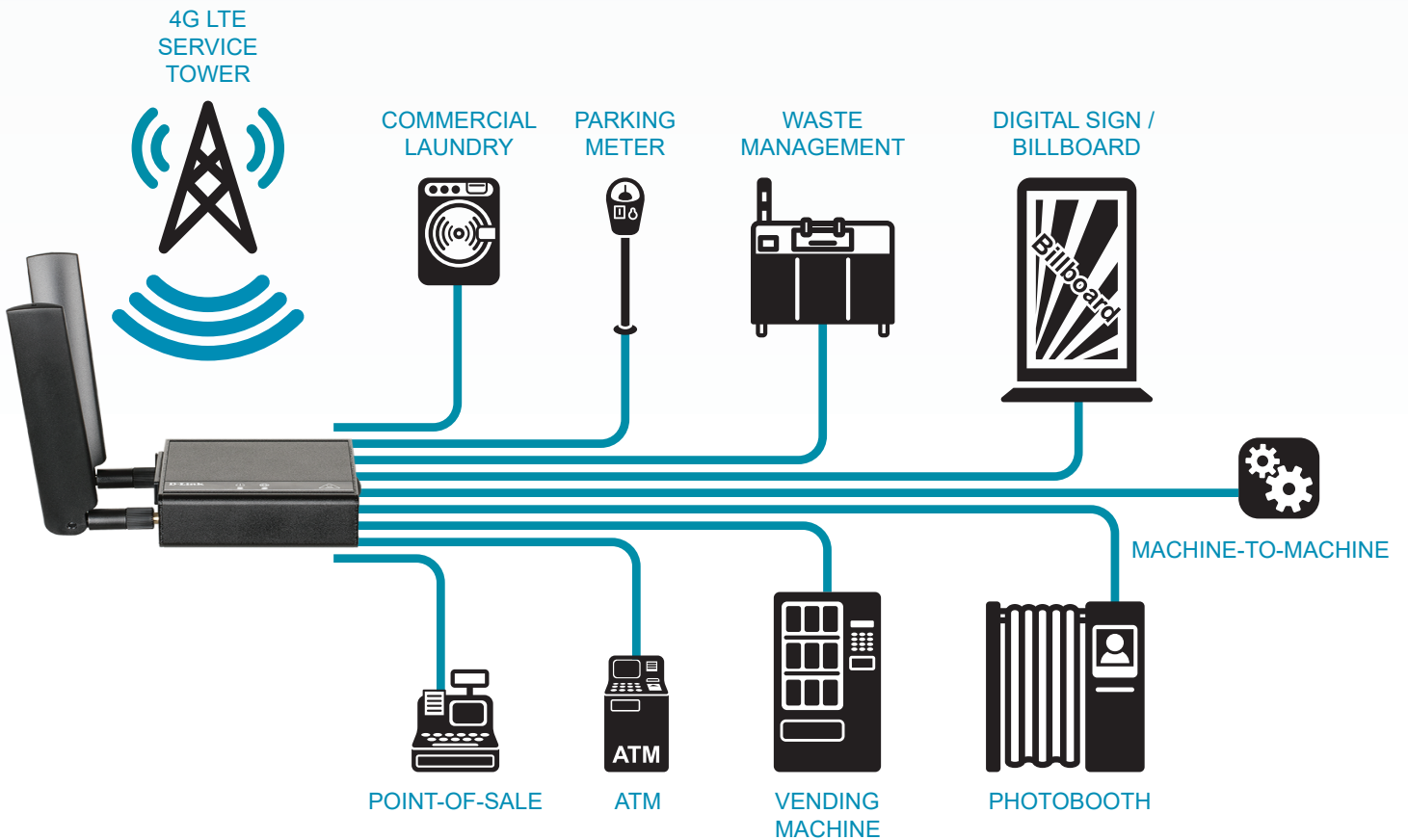
Front Panel



Back Panel



Sample Applications



Technical Specifications

General

Mobile Network Support ²	<ul style="list-style-type: none"> LTE Cat 4 SKU 1 (EU) <ul style="list-style-type: none"> LTE FDD Bands 1/3/7/8/20/28A LTE TDD Bands 38/40/41 UMTS/HSPA B1/B8, 900/2100 MHz SKU 2 (E) <ul style="list-style-type: none"> LTE FDD Bands 1/3/5/7/8/20 LTE TDD Bands 38/40/41 UMTS/HSPA B1/B5/B8, 850/900/2100 MHz GSM/GPRS/EDGE: 900/1800 MHz SKU 4 (AU) <ul style="list-style-type: none"> LTE FDD Bands 1/2/3/4/5/7/8/28 LTE TDD Bands 40 UMTS/HSPA B1/B2/B5/B8, 850/900/1900/2100 MHz GSM/GPRS/EDGE: 850/900/1800/1900 MHz 	<ul style="list-style-type: none"> SKU 5 (J) <ul style="list-style-type: none"> LTE FDD Bands 1/3/8/18/19/26 LTE TDD Bands 41 UMTS/HSPA 1/6/8/19, 800/900/2100 MHz SKU 7 (AF) <ul style="list-style-type: none"> LTE FDD Bands B2/B4/B5/B12/B13/B14/B66/B71 UMTS/HSPA B2/B4/B5, 850/1700/1900 MHz
Maximum Cellular Data Throughput ¹	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 1 x 10/100/1000 Ethernet LAN port 1 x Micro-USB port (power input) 	<ul style="list-style-type: none"> 2 x SMA for LTE (antenna connectors) 1 x Sim slot (Micro-3FF)
Standards	<ul style="list-style-type: none"> IEEE 802.3i 	<ul style="list-style-type: none"> IEEE 802.3u
VPN	<ul style="list-style-type: none"> OpenVPN (1 tunnel) 	
Advanced Features	<ul style="list-style-type: none"> DECS <ul style="list-style-type: none"> Remote Management of Devices 	<ul style="list-style-type: none"> Web-based UI SMS reboot function

Physical

LED Status Indicators	<ul style="list-style-type: none"> Network Connectivity 	<ul style="list-style-type: none"> Power
Power	<ul style="list-style-type: none"> Input: Power Adapter DC 5V/1A; 5V/2A only for GSM via Micro USB 	
Enclosure	<ul style="list-style-type: none"> Corrosion-resistant zinc-plated steel 	
Dimensions	<ul style="list-style-type: none"> 77.4 x 68.5 x 26 mm (3.05 x 2.7 x 1.02 in) 	
Weight	<ul style="list-style-type: none"> 145 g (5.12 oz) 	
Temperature	<ul style="list-style-type: none"> Operating: -30 to 60 °C (-22 to 140 °F) 	<ul style="list-style-type: none"> Storage : -40 to 85 °C (-40 to 185 °F)
Humidity	<ul style="list-style-type: none"> Operating: 10% to 85% non-condensing 	
Certifications	<ul style="list-style-type: none"> CE FCC PTCRB 	<ul style="list-style-type: none"> AT&T VZW

Order Information

Part Number	Description
DWM-311	4G LTE Modem

¹ Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

² Supported frequency band is dependent upon hardware SKU.

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