D-Link®

DWM-311

4G M2M Modem

Ethernet   Power

Key Features

Plug and Play

GE Wired Reliability

SMS Event Management

VPN Security

Industrial Grade Design

Management Platform

Applications
• Parking Lot
• Small Shop
• Surveillance
• Self-Service

The DWM-311 4G M2M modem, with LTE Cat 4 technology, along with a Gigabit Ethernet port, ensuring fast and stable wired and wireless network connections to meet M2M application requirements.

Drive Efficiency with Reliable 4G Remote Access
Designed for effortless real-time remote access, the DWM-311 offers seamless wireless connectivity perfect for self-service vending machines. It enhances operational efficiency by supporting intelligent inventory management, automating replenishment requests to streamline deliveries and reduce costs.
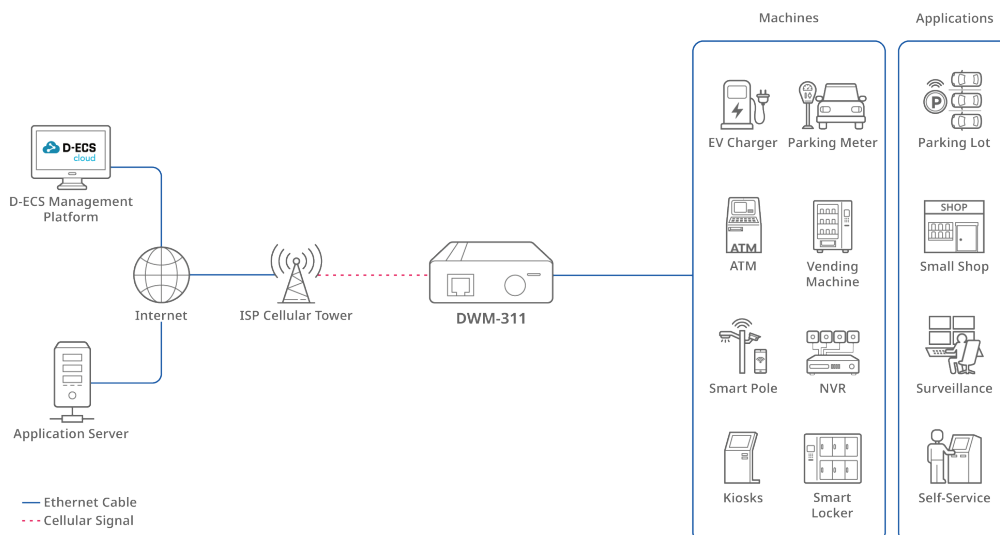
Plug and Play for Easy Installation
Simply insert a Micro-SIM card and power up; the DWM-311 instantly connects your M2M devices to the high-speed 4G cellular network. This modem's rugged, compact design is perfect for any setting, including harsh environments. Designed for effortless, real-time remote access, it provides reliable long-distance connectivity ideal for various applications. It also includes a VPN client, enhancing security and protecting data integrity across your network, making it a superb choice where quick setup and robust connectivity are crucial.

Robust Build Quality
The industrial-grade casing provides reliable high-speed connectivity in extreme conditions. The corrosion resistant zinc-plated steel case with wide operating temperature range and humidity tolerance mean that the DWM-311 is ready for the most demanding M2M applications in virtually any environment.

Connection Diagram

Machines   Applications

EV Charger   Parking Meter   Parking Lot

ATM   Vending Machine   Small Shop

Smart Pole   NVR   Surveillance

Kiosks   Smart Locker   Self-Service

D-ECS Management Platform

Internet   ISP Cellular Tower   DWM-311

Application Server

—— Ethernet Cable
- - - Cellular Signal

Specifications

Device Interface

- Cellular: 4G LTE Cat 4
- SIM Slot: 1 x SIM (Micro SIM)
- Ethernet: 1 x GE LAN port
- Power Input: DC 5 V Micro USB
- Antenna Connectors: 2 x SMA (F) cellular

Performance[1]

- Maximum Cellular Data Throughput:
  - LTE: 150 Mbps (DL) / 50 Mbps (UL)

WAN

- WAN Interface: Cellular
- Cellular: NAT, bridge
- Connection Monitoring: Ping query reboot

Network

- LAN: DHCP server
- DDNS: DynDNS, No-IP, dynamic DO

Services

- Event Management: SMS

VPN

- VPN Tunnel: OpenVPN

Security

- Firewall: Port forward

Administration

- Management: D-Link D-ECS[2]
- Maintenance: Web UI
- System: FW upgrade, reboot and reset

Monitoring

- Device Status: Connection information
- Cellular Status: Cellular information/status, cellular signal quality
- Security: VPN status

Operating Environment

- Operating Temperature: -30 to 70˚C (-22°F to 158°F)
- Storage Temperature: -40 to 85˚C (-40°F to 185°F)
- Operating Humidity: 10% to 95% non-condensing
- Storage Humidity: 0 to 95% non-condensing
- Dimensions: 77.4 x 68.5 x 26 mm

Certifications and Approvals

- Certifications: CE, UKCA, FCC, PTCRB
- Approvals: AT&T, Verizon, T-Mobile
- Cyber Security: EN 18031-1, EN 18031-2, EN 303645

Package Contents (Standard)

- 2 x Cellular SMA Antennas
- 1 x RJ-45 Cable
- 1 x Power Adapter

Available Versions

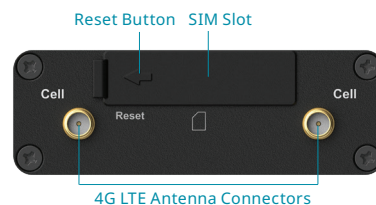| EU SKU (HW: B2)		
4G LTE	FDD: B1/B3/B7/B8/B20/B28A	
	TDD: B38/B40/B41	
US SKU (HW: B3)		
4G LTE	B2/B4/B5/B12/B13/B14/B66/B71	

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

2 You only have to pay a M2M device license fee when applying for D-ECS license.

Hardware

Front View
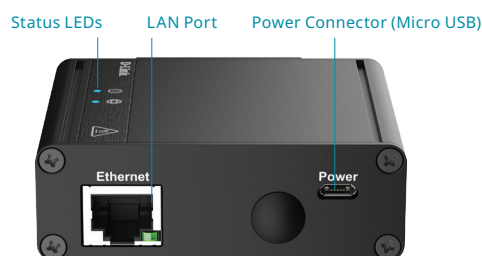
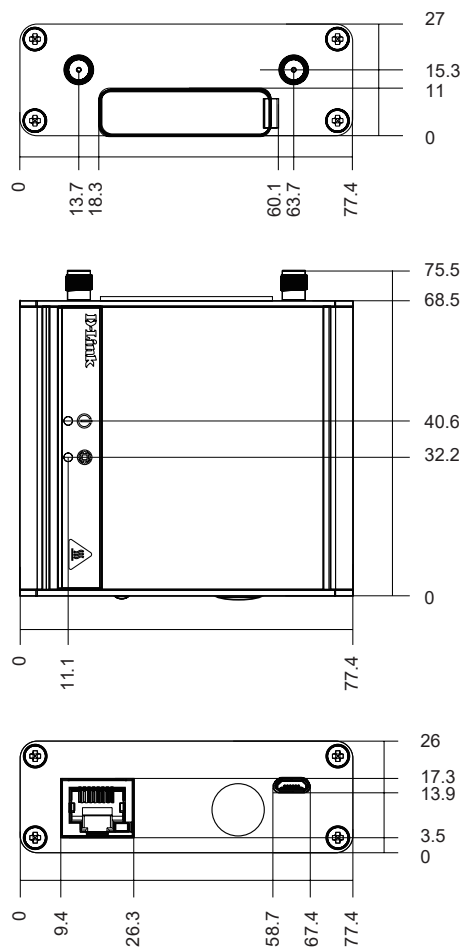

Status LEDs LAN Port Power Connector (Micro USB)

Back View

Reset Button SIM Slot

4G LTE Antenna Connectors

Spatial Measurement

The following diagrams provide the product's physical dimensions measured from top, front, left, and right views for installation and integration reference.

Unit: mm

Mounting Space Requirements

D-Link®