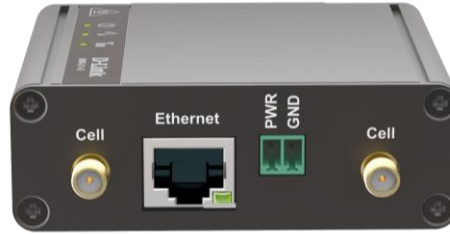


# DWM-311-G 5G M2M Modem



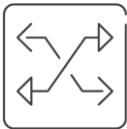
## Key Features



**5G  
SA & NSA**



**2.5 Gbps  
LAN Port**



**Bridge / NAT  
Mode**



**VPN  
Security**



**Industrial  
Grade Design**



**Management  
Platform**

D-Link's DWM-311-G 5G M2M modem offers cutting-edge 5G-NR and LTE dual-mode cellular connectivity. This modem is equipped with a 2.5 Gigabit Ethernet port, perfect for connecting local devices that require high throughput, ensuring optimal performance for demanding applications.

## 5G M2M Communications

The DWM-311-G 5G modem is specifically designed for real-time remote access, providing seamless connectivity across long distance for machines. This true plug-and-play system is perfect for small-scale deployments, ensuring hassle-free installation. Also supports seamless 4G/5G switching, ensuring efficient and stable connectivity under any network coverage condition.

Enhance local customer engagement through a reliable 5G network and VPN for security, for example, by delivering timely information, advertisements, and services. Optimize your operations and customer interactions effortlessly with our efficient technology solution.

## Centralized Remote Management

The DWM-311-G enables intuitive and straightforward device management through Web UI and SSH. It is also equipped with the D-ECS Management platform, which facilitates centralized oversight and control, ideally suited for extensive deployments or remote areas. This integration significantly cuts maintenance costs and boosts system efficiency.

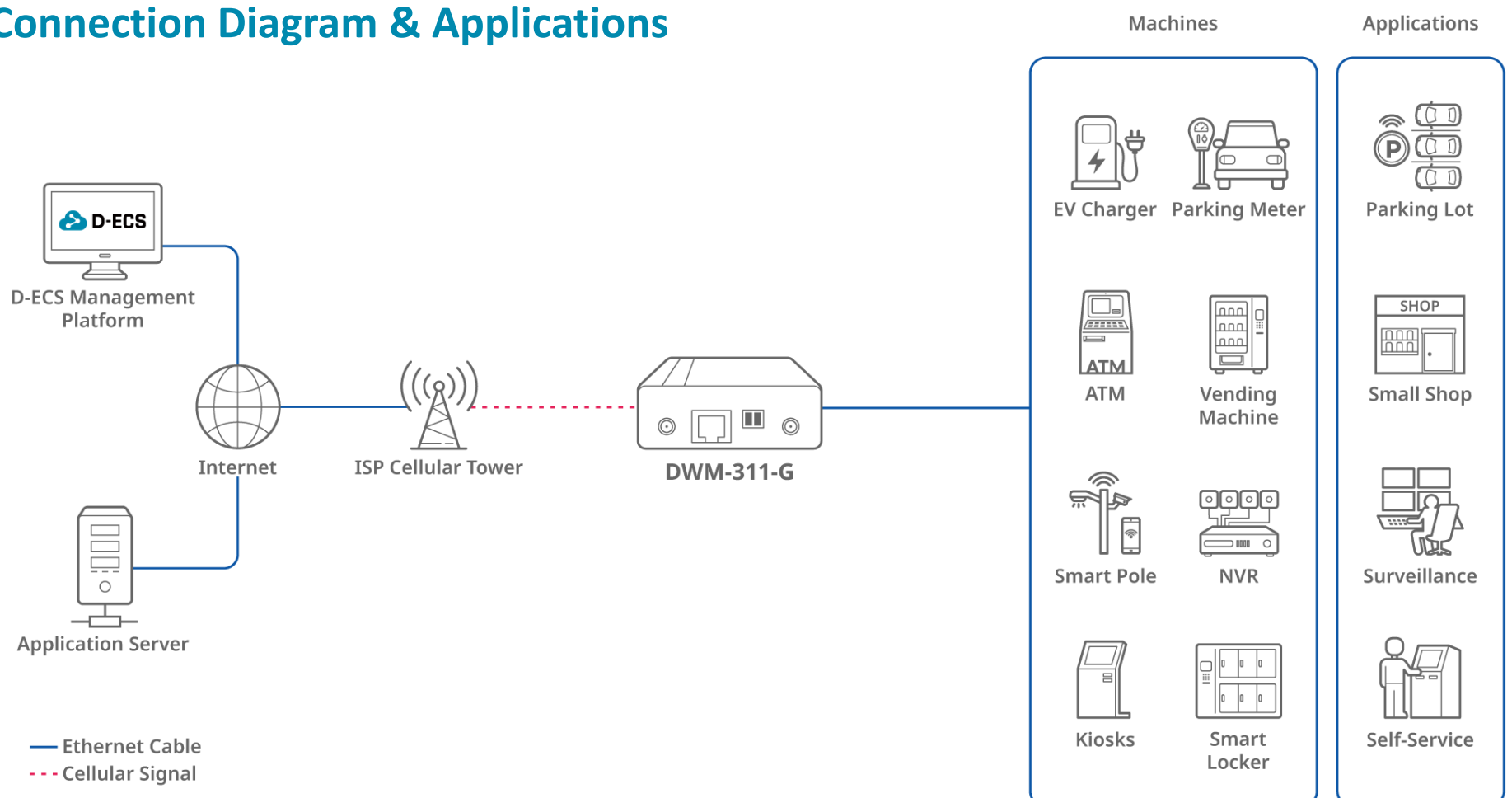
## Applications

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

## Suitable for Harsh Environment

The DWM-311-G is designed to withstand harsh conditions with a metal casing ensuring durability, and operates effectively within a temperature range of -30 to 70°C. Additionally, the device supports a wide voltage range of VDC 5-32V, increasing power adaptability, and includes built-in Network Address Translation (NAT) and bridge mode, which simplify network setup and enhance interconnectivity, making it ideal for M2M applications that require fast and reliable network connections.

## Connection Diagram & Applications



# Specifications

## Device Interface

- Cellular Module: 5G/4G 3GPP Rel. 16
- Cellular Standards: 5G NR(Sub-6GHz), 4G LTE(DL Cat.19/UL Cat.18)
- SIM Slot: 1\* SIM (3FF Micro)
- Ethernet: 1\* RJ45 LAN 2.5GE
- Power Input: DC 5-32V (TB)(2-pin)
- Antenna Connector: 4\*SMA(F)-Cellular

## Performance<sup>1</sup>

- Maximum Cellular Data Throughput:  
5G NSA: 3.4 Gbps (DL) / 550 Mbps (UL)  
5G SA: 2.4 Gbps (DL) / 900 Mbps (UL)  
LTE: 1.6 Gbps (DL) / 200 Mbps (UL)

## WAN

- Cellular: NAT, Bridge Mode
- Network Monitor: ICMP Checking

## Network

- DHCP : DHCP Server
- Port Forward: Virtual Server
- DDNS: DynDNS, No-IP, Dynamic DO
- IPv4/v6

## VPN

- VPN Tunnel: OpenVPN
- VPN Usage: Client mode

## Administration

- Configuration: Web UI, SSH
- Management: D-Link D-ECS<sup>2</sup>
- System: FW Upgrade, Reboot & Reset, System Time, NTP Service
- Scheduling: reboot rule policy, working day
- SMS Service: SMS Inbox, SMS Event Management

## Status

- Network Status: Connection information, Cellular Signal Quality
- Cellular Mobile: Cellular Modem Information/Status, Cellular Network Status, Cellular Signal Quality
- Client: Client List
- Security: VPN Status

## Environment

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

## Standard Package

- 4\* Cellular SMA Antennas
- 1\* RJ-45 Cable
- 1\* Power Adapter
- 1\* Terminal Block (2-pin)

## Available Versions

### SKU List<sup>3</sup>

#### EU SKU (HW: A2):

- **5G NR:**  
n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78
- **4G LTE:**  
FDD: B1/B3/B5/B7/B8/B20/B28/B32/B71  
TDD: B38/B40/B41/B42/B43

#### Global/US SKU (HW: A3):

- **5G NR:**  
n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/  
n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
- **4G LTE:**  
FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/  
B25/B26/B28/B29/B30/B32/B66/B71  
TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48

### Certifications & Approvals

#### Certification

- CE
- UKCA
- FCC
- PTCRB

#### Approval<sup>4</sup>

- AT&T
- Verizon

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

<sup>2</sup> D-ECS License fees will apply.

<sup>3</sup> Supported frequency band is dependent upon hardware SKU.

<sup>4</sup> By Region Request.

