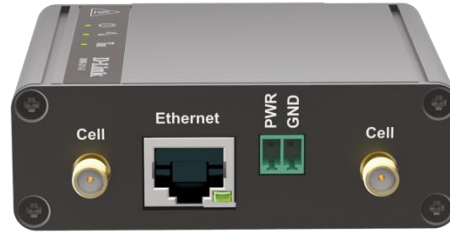




DWM-311-G 5G M2M VPN Modem



Key Features



5G
SA & NSA



2.5 GbE Wired
Reliability



SMS Event
Management



VPN
Security



Industrial
Grade Design



Management
Platform

D-Link's DWM-311-G 5G M2M VPN 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.

Enhance M2M Monitoring with 5G Speed

The DWM-311-G 5G M2M VPN Modem, with its ultra-fast 5G speeds and low latency, provides robust connectivity designed to streamline M2M operations. It enables real-time monitoring of machines, such as EV chargers, vending machines, pickup lockers, photo booths, recycling points, and enhances the user experience. Featuring secure VPN protection, it ensures safe data transmission and remote access, protecting against external threats and simplifying maintenance to further drive cost-efficiency.

Plug & Play for Easy Installation

Simply insert a Micro-SIM card and power up; the DWM-311-G instantly connects your M2M devices to the high-speed 5G 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 supports 4G/5G switching, making it stable connectivity and ideal where quick setup and robust connectivity are crucial.

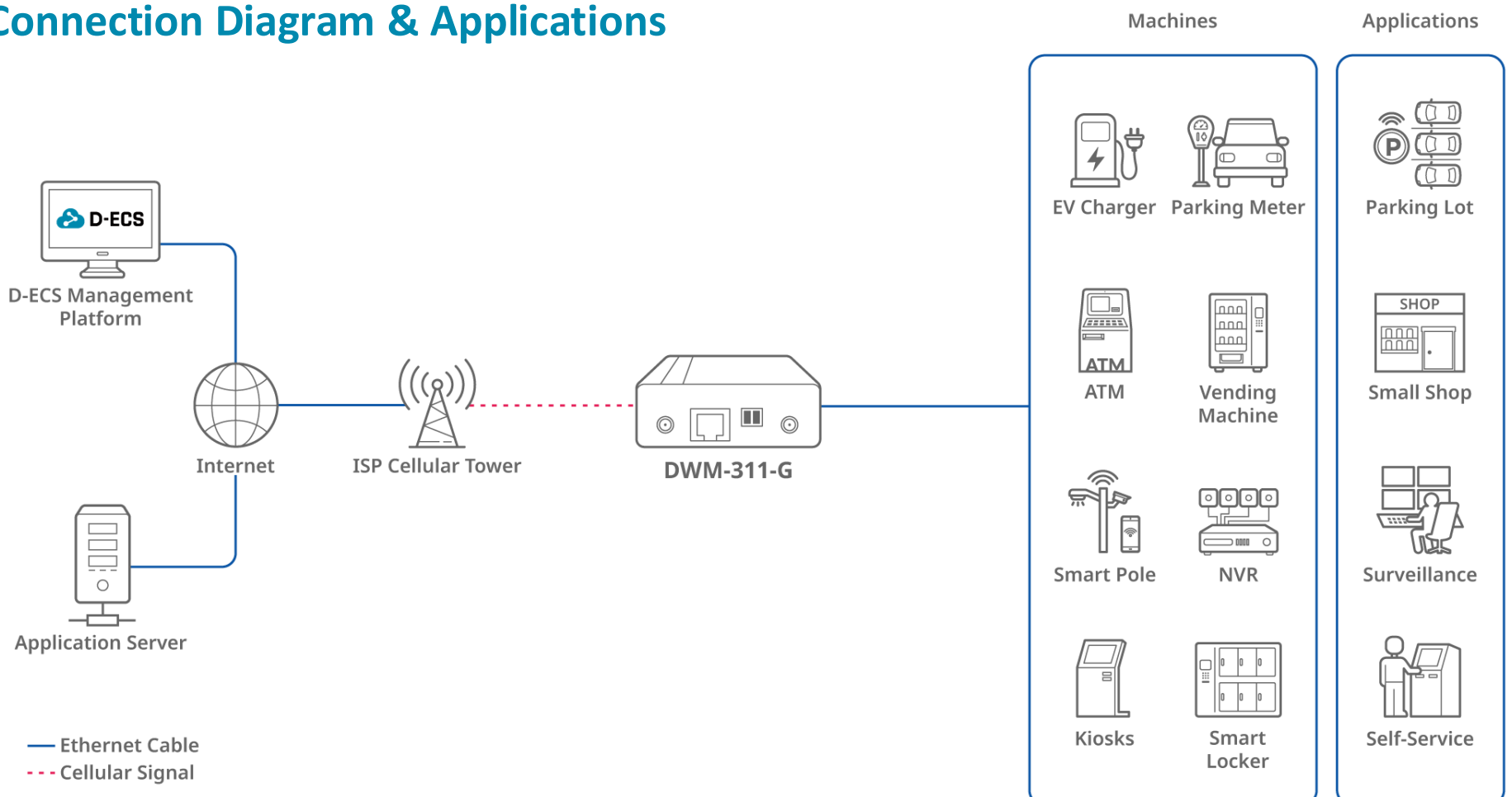
Applications

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

Robust Build Quality

The industrial-grade casing provides reliable high-speed connectivity in extreme conditions. The corrosion-resistant zinc-plated steel case with a wide operating temperature range and humidity tolerance means that the DWM-311-G is ready for the most demanding M2M applications in virtually any environment. The DWM-311-G is also engineered to safely accept wide input voltage (5~32V DC) fluctuations, providing more flexibility and convenience when selecting a suitable power source, making your M2M installations significantly more reliable and much easier to deploy.

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

Performance¹

- 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-ECS²
- 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
- Weight: 180 g

Standard Package

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

Mobile Network Support

- **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

Certifications & Approvals

Certification

- CE
- UKCA
- FCC
- PTCRB

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

² D-ECS License fees will apply.

