



DWM-314-G 5G Multi-Connect Modem

Key Features



Dual-SIM
Failover



Plug
& Play



Multi-Port for
multi-device



VPN
Security



Industrial
Grade Design



Management
Platform

D-Link's DWM-314-G 5G Multi-Connect Modem provides 5G-NR and 4G-LTE dual-mode connectivity. It also features four Gigabit Ethernet ports for connectivity extension to meet M2M application requirements.

Reliable 5G Failover for M2M

The DWM-314-G 5G modem is specifically designed for real-time remote access, providing seamless connectivity across long distances for machines. This true plug-and-play system is perfect for small-scale deployments, ensuring hassle-free installation. It supports seamless 4G/5G switching and is equipped with dual SIM slots for failover, guaranteeing continuous connectivity even if one carrier network becomes unavailable. This ensures 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 Management

The DWM-314-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.

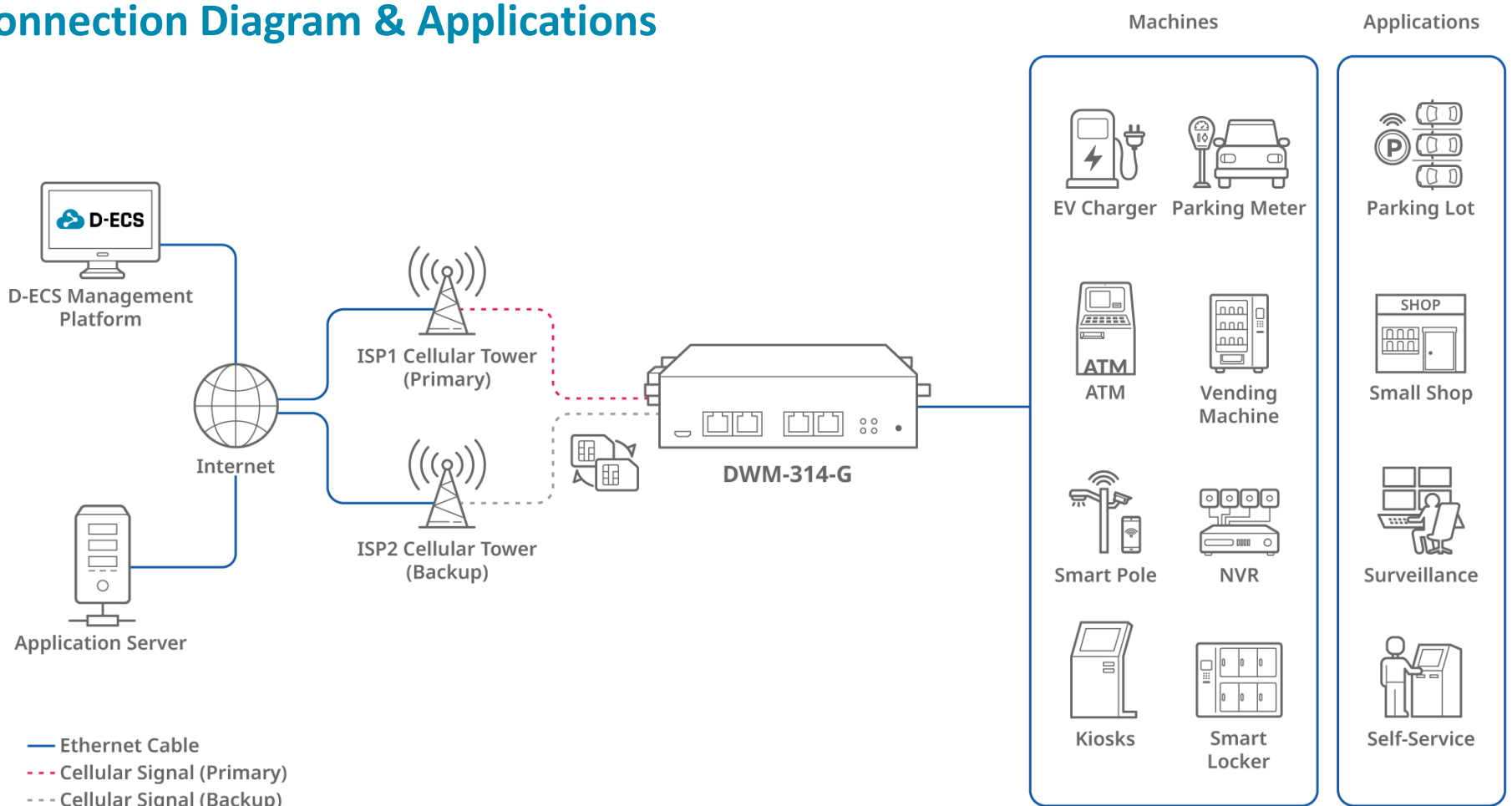
Applications

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

Suitable for Harsh Environment

The DWM-314-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 9-36V, 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: 2* SIM (3FF Micro)
- Ethernet: 4*LAN GE
- Power Input: DC 9-36V (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
- Network Monitor: ICMP Checking

Network

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

Security

- VPN Tunnel: OpenVPN, WireGuard
- VPN Usage: Client mode

Firewall

- Firewall: IPS, Block WAN Ping
- Access Control: Packet Filter, MAC Control

Administration

- Configuration: Web UI, Command Script, SSH
- Management: D-Link D-ECS²
- System: FW Upgrade, Reboot & Reset, System Time, NTP Service, System Log
- Scheduling: reboot rule policy, working day
- SMS Service: SMS Inbox, SMS Event Management
- Cellular Data Capacity: Warning ratio to send SMS

Status

- Network Status: Connection information, Cellular Signal Quality
- Cellular Mobile: Cellular Modem Information/Status, Cellular Network Status, Cellular Signal Quality, Data Usage
- 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: 131 x 99 x 40 mm

Standard Package

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

Available Versions

SKU List³

EU SKU (HW: A1):

- **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

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

² D-ECS License fees will apply.

³ Supported frequency band is dependent upon hardware SKU.

