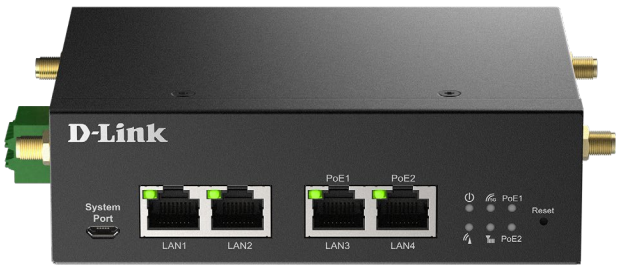
DWM-314-GP

5G M2M Multi-Connect VPN PoE Router



D-Link's DWM-314-GP 5G M2M Multi-Connect VPN PoE Router provides 5G-NR and 4G-LTE dual-mode connectivity. It features four Gigabit Ethernet ports, including two PoE-enabled, for connectivity extension to meet M2M application requirements.

Key Features

- **5G SA & NSA**
- **2 Ports PoE Connectivity PSE**
- **Dual-SIM Failover**
- **VPN Security**
- **Industrial Grade Design**
- **Management Platform**

Powering Smart City Innovations with 5G

The DWM-314-GP harnesses the power of 5G to deliver ultra-fast speeds and low latency, ensuring dependable connectivity. Featuring dual SIM slots with failover capabilities, it provides uninterrupted service even if one network is down. Ideal for constructing smart city infrastructures such as smart poles for traffic monitoring, digital signage advertising, and environmental sensing, this plug-and-play modem simplifies installation for quick deployment. With its ability to switch seamlessly between 4G and 5G, the DWM-314-GP maintains stable connectivity in varying network conditions, enhancing local engagement by delivering timely information, advertisements, and services efficiently.

Empower Your M2M Network with PoE+

The DWM PoE Series, featuring a built-in 4-port Gigabit switch and Power over Ethernet (PoE+) technology, delivers both data and power through a single Ethernet cable. It streamlines M2M communication for IoT applications, reducing the need for separate electrical infrastructure and lowering installation costs of an extra PoE switch. Ideal for powering surveillance cameras, digital signage, wireless access points, and IoT sensors, it offers flexible device placement without additional wiring. Its PD-Alive feature minimises downtime, ensuring continuous operation, while PoE scheduling optimises power use and cuts energy costs.

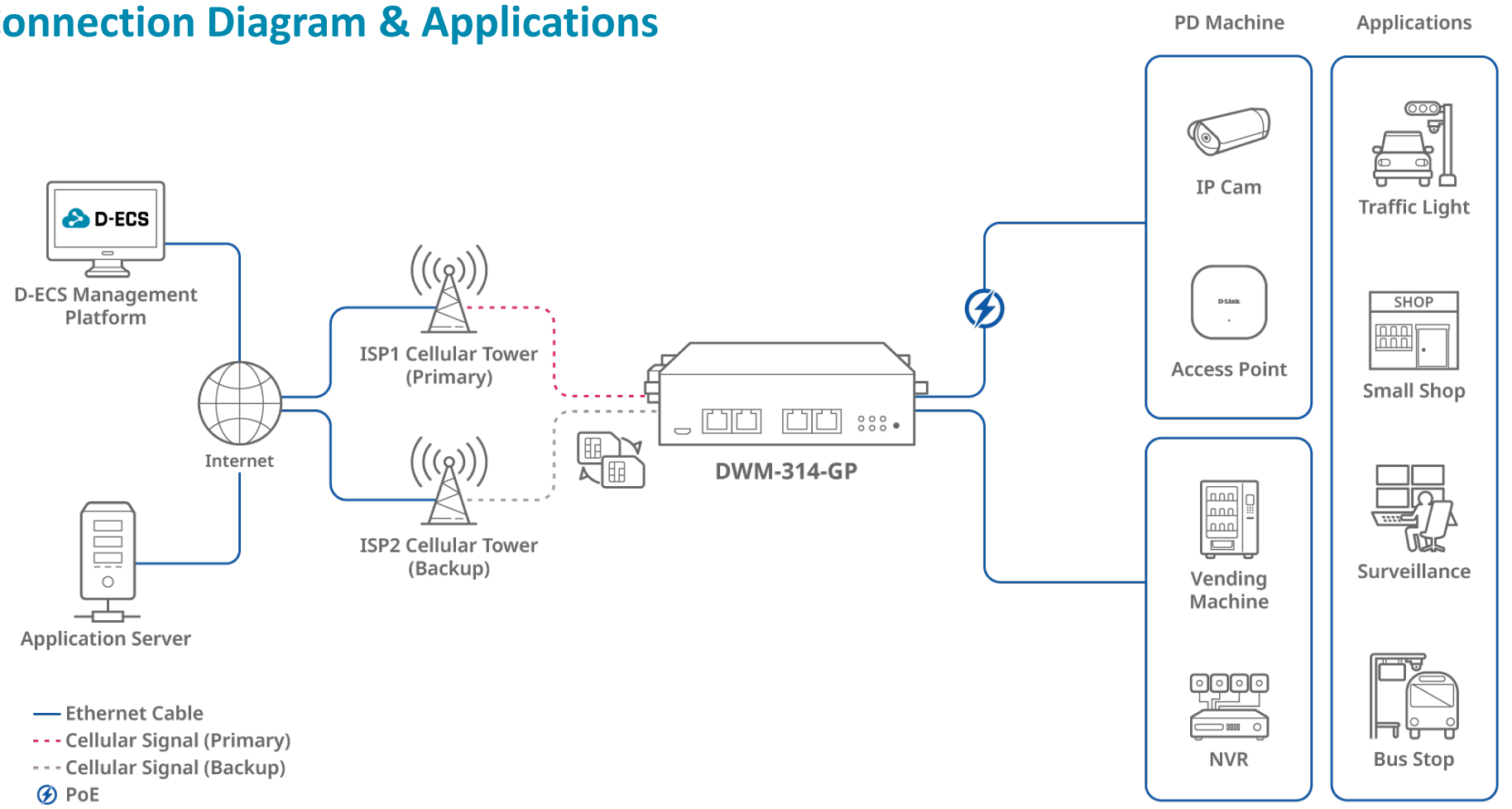
Robust Build Quality

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-314-GP is ready for the most demanding M2M applications in harsh environments. Convenient wall and DIN-rail mounting options allow the DWM-314-GP to be conveniently mounted to optimise signal quality. The DWM-314-GP is also engineered to safely accept wide input voltage (VDC 48~57V) fluctuations, providing more flexibility and convenience when selecting a suitable power source, making your M2M installations significantly more reliable and much easier to deploy.

Applications

- Traffic Light
- Small Shop
- Surveillance
- Bus Stop

Connection Diagram & Applications



Specifications

Device Interface
- Cellular Module: 5G NR/4G LTE 3GPP Rel. 16
- Cellular Standards: 5G NR(Sub-6GHz), 4G LTE(DL Cat.19/UL Cat.18)
- SIM Slot: 2* SIM (3FF Micro)
- Ethernet: 2*LAN GE, 2*LAN GE with PoE-PSE 802.3at
- Power Input: DC 48-57V (TB)(2-pin)
- Antenna Connector: 4*SMA(F)-Cellular

Performance[1]
- 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
- PoE: Power Control, ON/OFF by Network checking, Scheduled ON/OFF
- IPv4/v6

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

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

Administration
- Configuration: Web UI, Command Script, SSH
- Management: D-Link D-ECS[2]
- 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

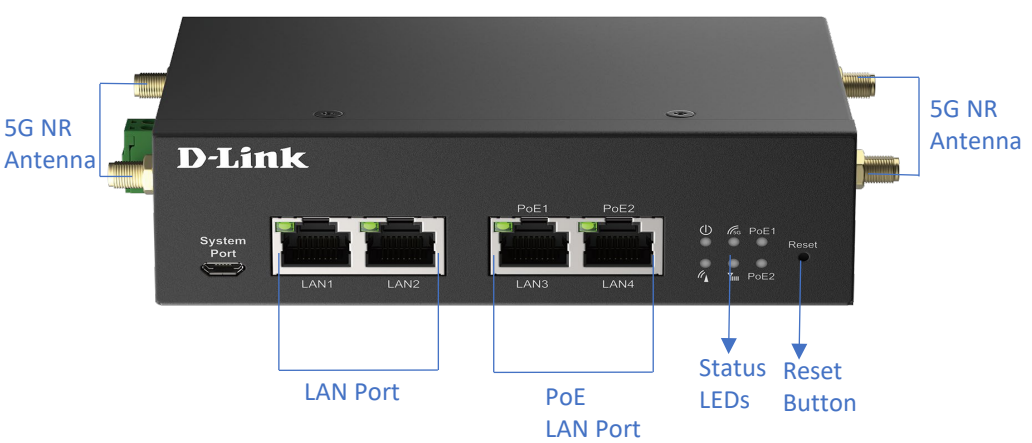
Standard Package
- 4* Cellular SMA Antennas
- 1* RJ-45 Cable
- 1* Power Adapter
- 1* Terminal Block (2-pin)
- 1* DIN-Rail kit

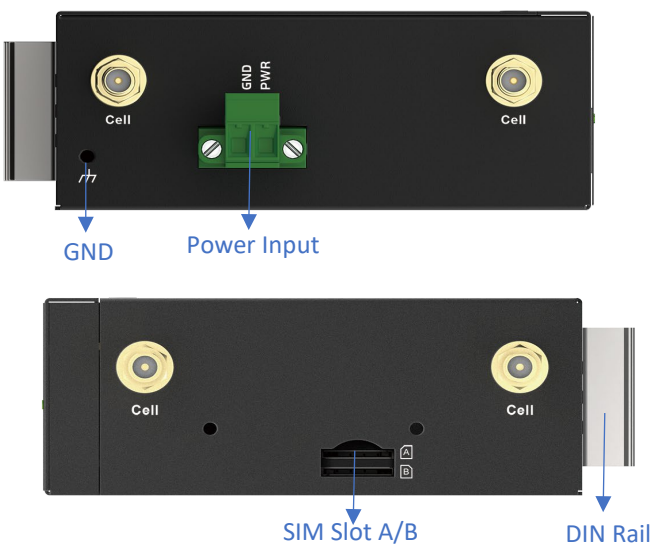
Mobile Network Support
- **5G NR:**
  n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78
- **4G LTE:**
  FDD: B1/B3/B5/B7/B8/B20/B28/B32/B71
  TDD: B38/B40/B41/B42/B43

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.





D-Link (Deutschland) GmbH, Schwalbacher Strasse 74, 65760 Eschborn, Germany
D-Link (Europe) Ltd, 3rd Floor, 166 College Road, Harrow, London, HA1 1BH, United Kingdom
Specifications are subject to change without notice. ©2025 D-Link. All Rights Reserved. D-Link and the D-Link logo are trademarks or registered trademarks of D-Link. All other third-party marks mentioned herein may be trademarks of their respective owners.
Doc: v1.11 WW