

DWM-314-GP

# 5G Multi-Connect PoE Router



## Key Features



5G  
SA & NSA



2-Port PoE  
Connectivity PSE



Dual-SIM  
Failover



VPN  
Security



Industrial  
Grade Design



Management  
Platform

### Applications

- Traffic Light
- Small Shop
- Surveillance
- Bus Stop

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

## 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 router 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.

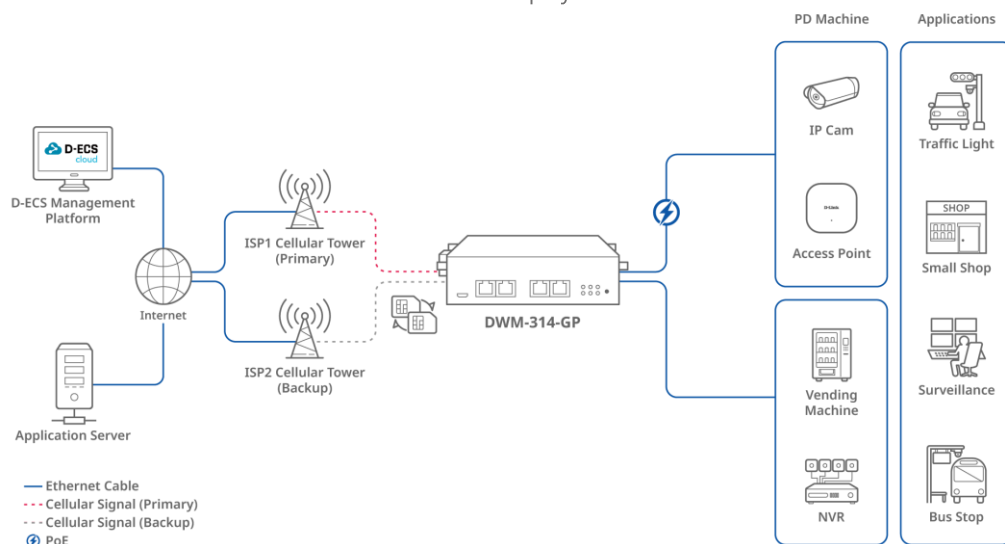
## Empower Your M2M Network with PoE+

The DWM-314-GP, featuring a built-in 4-port Gigabit switch and 802.3af/at Power over Ethernet (PoE+) technology, delivers both data and power through Ethernet cables. As a true PSE (Power Sourcing Equipment) solution, it streamlines M2M communication for IoT applications, reducing the need for separate electrical infrastructure and lowering installation costs of extra PoE switch. Ideal for powering surveillance cameras, digital signage, wireless access points, and IoT sensors, it offers flexible device placement without extra wiring. Its PD-Alive feature minimizes downtime, ensuring continuous operation, while PoE scheduling optimizes 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 virtually any environment. Convenient wall and DIN-rail mounting options allow the DWM-314-GP to be mounted virtually anywhere to optimize 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.

## Connection Diagram



Specifications

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"><li>Cellular: 3GPP Rel. 16, 5G (sub-6 GHz), 4G (DL Cat 19/UL Cat 18)</li><li>SIM Slot: 2 x SIM (Micro SIM) with auto failover (Optional: eSIM<sup>3</sup>)</li><li>Ethernet: 2 x GE LAN ports, 2 x GE PoE LAN ports with PoE-PSE 802.3at</li><li>PoE Max Power per Port (at PSE): 30 W max</li><li>PoE Power Budget (at PSE): 60 W</li><li>Power Input: DC 48-57 V terminal block</li><li>Maximum Power Consumption: 63.5 Watts</li><li>Antenna Connectors: 4 x SMA (F) cellular</li></ul> |
| Performance <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>Maximum Cellular Data Throughput:<ul style="list-style-type: none"><li>5G NSA: 3.4 Gbps (DL) / 550 Mbps (UL)</li><li>5G SA: 2.4 Gbps (DL) / 900 Mbps (UL)</li><li>LTE: 1.6 Gbps (DL) / 200 Mbps (UL)</li></ul></li></ul>                                                                                                                                                                                                                                                               |
| WAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"><li>WAN Interface: Cellular</li><li>Cellular: NAT</li><li>Connection Monitoring: Ping query reboot</li></ul>                                                                                                                                                                                                                                                                                                                                                                               |
| Network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"><li>LAN &amp; VLAN: DHCP server</li><li>Routing: Static</li><li>DDNS: DynDNS, No-IP, dynamic DO</li><li>PoE Functions: PD failure check, PoE scheduling</li></ul>                                                                                                                                                                                                                                                                                                                          |
| Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>Event Management: SMS</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| VPN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"><li>VPN Tunnel: OpenVPN, WireGuard</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Security                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>Firewall: IPS, port forward</li><li>Access Control: MAC/IP filter</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Administration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"><li>Management: D-Link D-ECS<sup>2</sup></li><li>Maintenance: Web UI</li><li>System: FW upgrade, reboot and reset</li></ul>                                                                                                                                                                                                                                                                                                                                                                |
| Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"><li>Device Status: Connection information</li><li>Cellular Status: Cellular information/status, cellular signal quality</li><li>Security: VPN status</li></ul>                                                                                                                                                                                                                                                                                                                             |
| Operating Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"><li>Operating Temperature: -30 to 70°C (-22°F to 158°F)</li><li>Storage Temperature: -40 to 85°C (-40°F to 185°F)</li><li>Operating Humidity: 10% to 95% non-condensing</li><li>Storage Humidity: 0 to 95% non-condensing</li><li>Dimensions: 149 x 99 x 40 mm</li></ul>                                                                                                                                                                                                                   |
| Certifications and Approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"><li>Certifications: CE, UKCA, FCC, PTCRB, VCCI, JATE, TELEC</li><li>Cyber Security: EN 18031-1, EN 18031-2, EN 303645</li><li>Approvals: AT&amp;T, Verizon, T-Mobile</li></ul>                                                                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package Contents (Standard)                                                                                                                                                             |
| <ul style="list-style-type: none"><li>4 x Cellular SMA Antennas</li><li>1 x RJ-45 Cable</li><li>1 x Power Adapter</li><li>1 x Terminal Block (2-pin)</li><li>1 x DIN-Rail Kit</li></ul> |

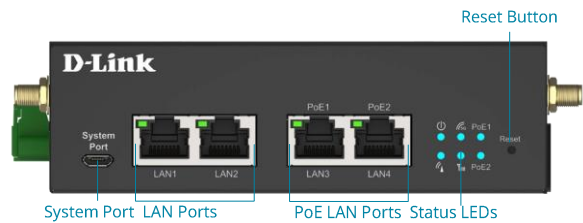
Available Versions

| 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                                                                                  |
| Global SKU (HW: A2) |                                                                                                           |
| Japan 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                                                             |

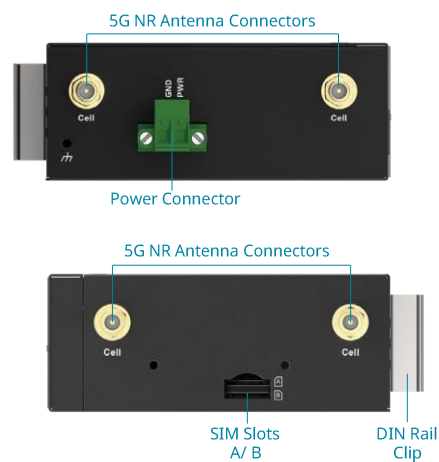
- 1 Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.
- 2 You only have to pay a M2M device license fee when applying for D-ECS license.
- 3 This feature is not part of the default product configuration. Customers must specifically request it when ordering, and it will be installed at the factory before shipment.

Hardware

Front View



Side Views

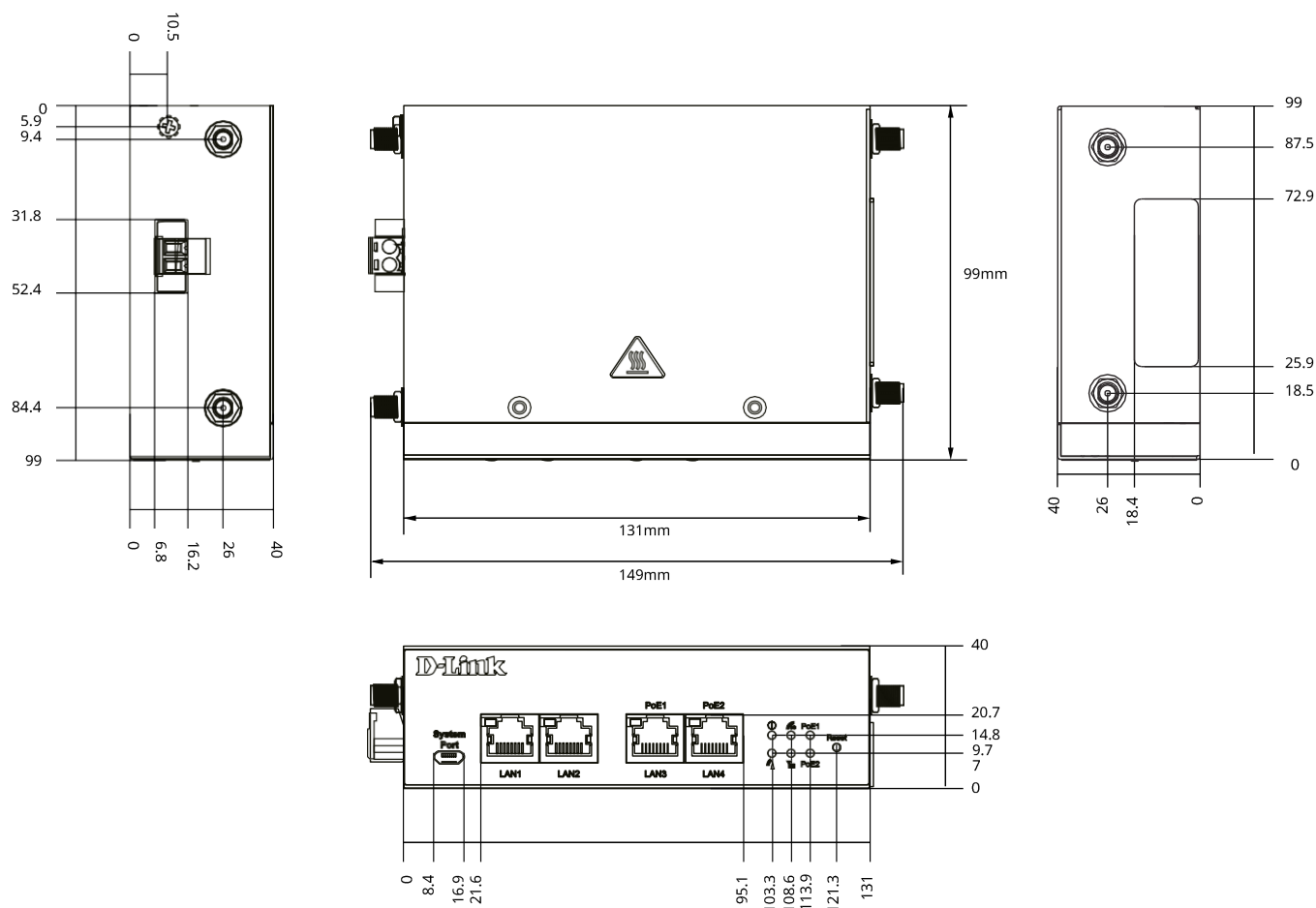


Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only. Specifications may be subject to change without prior notice.

# 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

