

# DWM-314-TP

# 4G Multi-Connect PoE Modem



## Key Features



Plug and Play



2-Port PoE Connectivity PSE



SMS Event Management



VPN Security



Industrial Grade Design



Management Platform

### Applications

- Traffic Light
- Small Shop
- Surveillance
- Bus Stop

The DWM-314-TP 4G Multi-Connect PoE Modem provides 4G-LTE cellular capability. Equipped with a four-port Fast Ethernet interface, including two ports equipped with PoE functionality, this modem ensures rapid and reliable connection to any local device, providing both power and data over a single cable for streamlined deployment.

### Enhance Passenger Experience with Reliable 4G Connectivity

The DWM-314-TP is designed for real-time communication and acts as a power source to offer public Wi-Fi connection, ensure public transport security through surveillance camera and display navigation-friendly information by showing real time bus arrivals or ads on the digital signage. This plug-and-play design ensures hassle-free installations for the bus shelters and improves urban mobility, by giving commuters more accessible and useful information to help optimize their journeys.

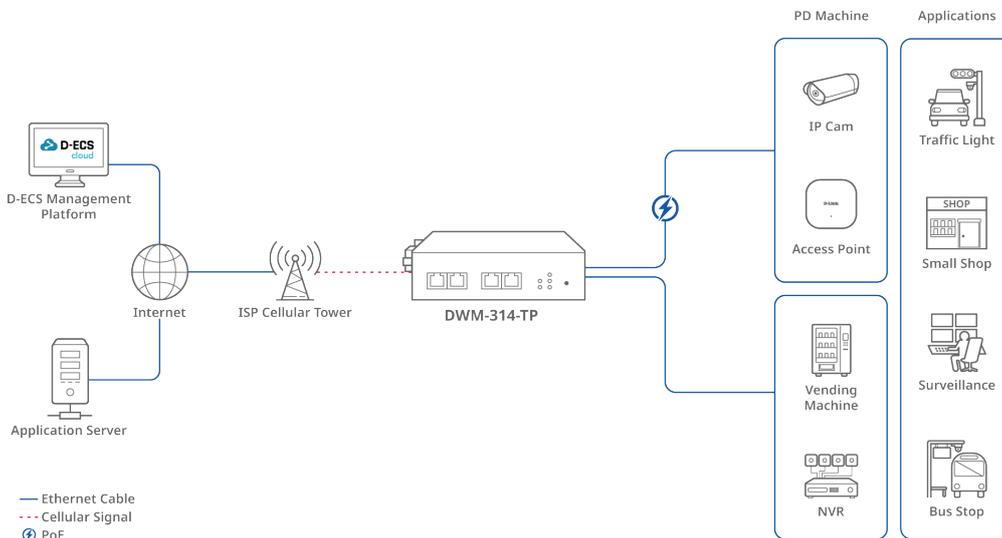
### Empower Your M2M Network with PoE+

The DWM-314-TP, 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-TP is ready for the most demanding M2M applications in virtually any environment. Convenient wall and DIN-rail mounting options allow the DWM-314-TP to be mounted virtually anywhere to optimize signal quality. The DWM-314-TP 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

- Cellular: 4G LTE Cat 4
- SIM Slot: 1 x SIM (Nano SIM)
- Ethernet: 2 x FE LAN ports, 2 x FE PoE LAN ports with PoE-PSE 802.3at
- PoE Max Power per Port (at PSE): 30 W max
- PoE Power Budget (at PSE): 60 W
- Power Input: DC 48-57 V terminal block
- Antenna Connectors: 2 x SMA (F) cellular

## Performance<sup>1</sup>

- Maximum Cellular Data Throughput:
  - LTE: 150 Mbps (DL) / 50 Mbps (UL)

## WAN

- WAN Interface: Cellular
- Cellular: NAT
- Connection Monitoring: Ping query reboot

## Network

- LAN & VLAN: DHCP server
- Routing: Static
- DDNS: DynDNS, No-IP, dynamic DO
- PoE Functions: PD failure check, PoE scheduling

## Services

- Event Management: SMS

## VPN

- VPN Tunnel: OpenVPN

## Security

- Firewall: IPS, port forward
- Access Control: MAC/IP filter

## Administration

- Management: D-Link D-ECS<sup>2</sup>
- Maintenance: Web UI
- System: FW upgrade, reboot and reset

## Monitoring

- Device Status: Connection information
- Cellular Status: Cellular information/status, cellular signal quality
- Security: VPN status

## Operating Environment

- Operating Temperature: -30 to 70°C (-22°F to 158°F)
- Storage Temperature: -40 to 85°C (-40°F to 185°F)
- Operating Humidity: 10% to 95% non-condensing
- Storage Humidity: 0 to 95% non-condensing
- Dimensions: 115 x 99 x 31 mm

## Certifications and Approvals

- Certifications: CE, UKCA
- Cyber Security: EN 18031-1, EN 18031-2, EN 303645

## Package Contents (Standard)

- 2 x Cellular SMA Antennas
- 1 x RJ-45 Cable
- 1 x Power Adapter
- 1 x Terminal Block (2-pin)
- 1 x DIN-Rail Kit

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.

# Available Versions

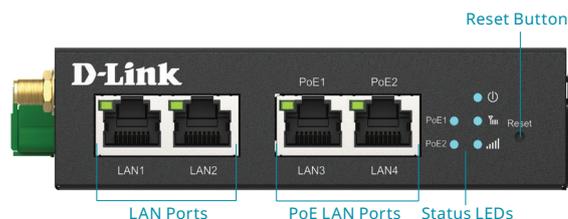
## EU SKU (HW: A1)

4G LTE	FDD: B1/B3/B7/B8/B20/B28A
	TDD: B38/B40/B41

- 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.

# Hardware

## Front View



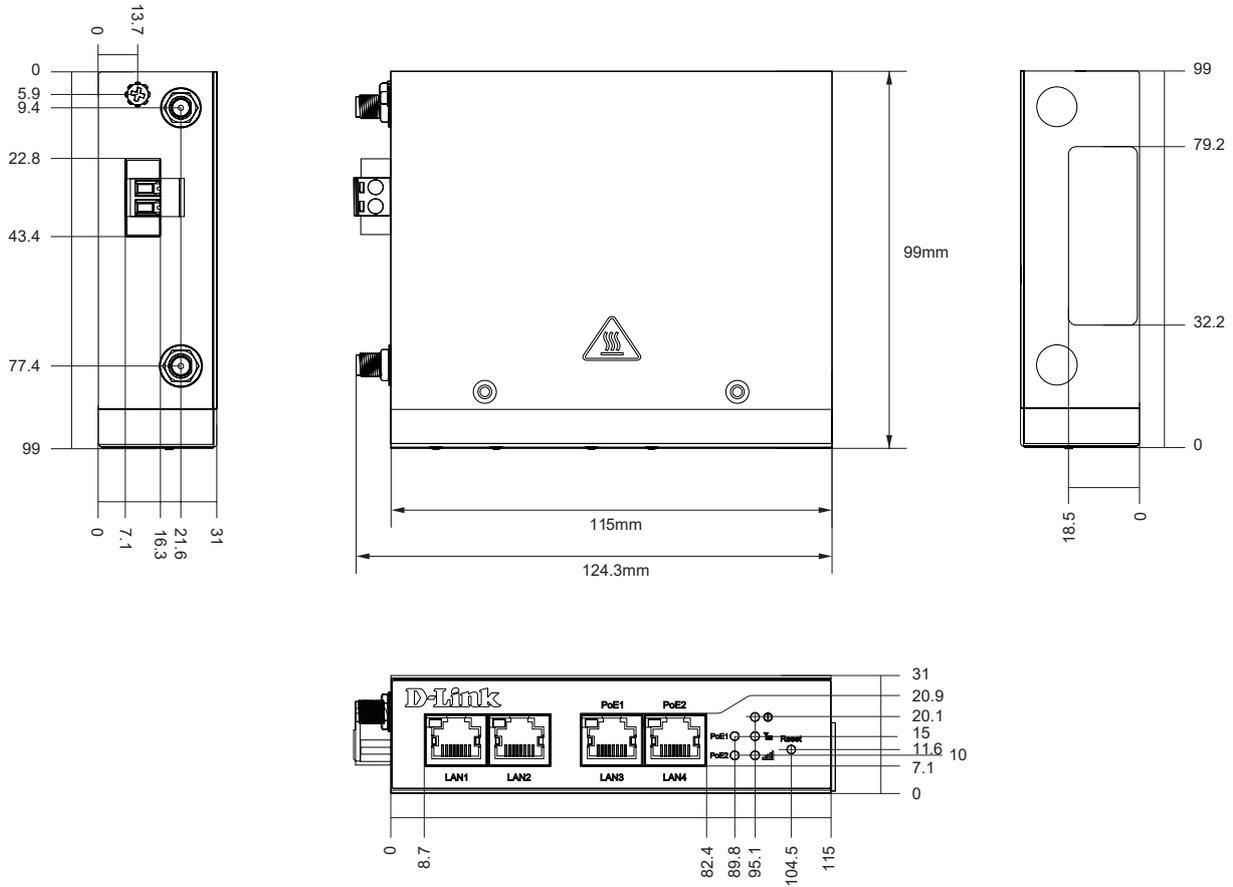
## Side Views



# 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

