D-Link®

DWM-314-TP
4G Multi-Connect PoE Modem

Key Features

Plug & Play

2 Ports PoE Connectivity PSE

SMS Event Management

VPN Security

Industrial Grade Design

Management Platform

Applications
- Traffic Light
- Small Shop
- Surveillance
- Bus Stop

D-Link's DWM-314-TP 4G Multi-Connect PoE Modem provides 4G-LTE cellular capability. Equipped 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 4G Multi-Connect PoE modem 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 PoE Modem Series, 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
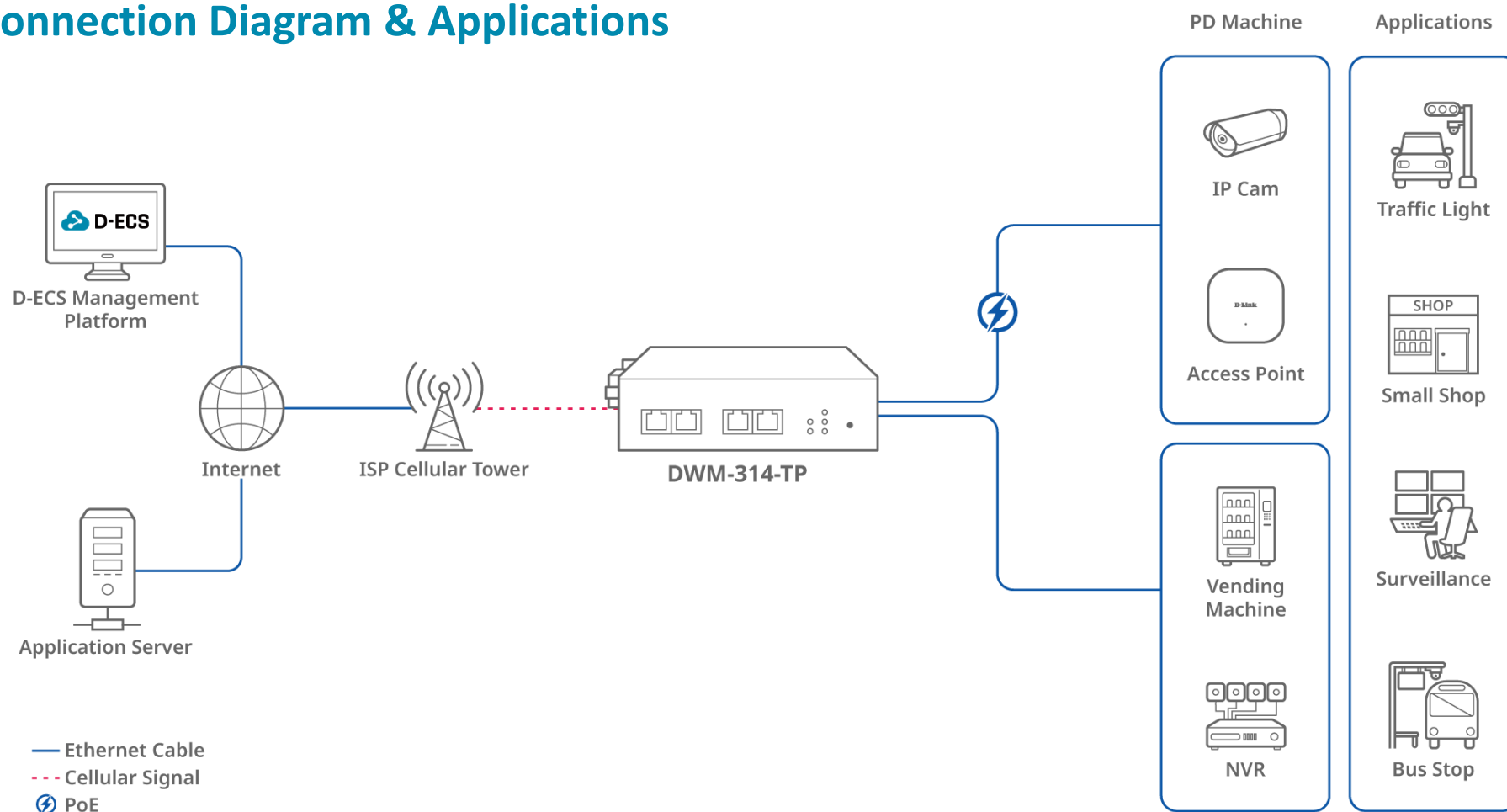
The industrial-grade casing provides reliable high-speed connectivity in extreme conditions. The corrosion-resistant zinc-plated steel case with wide operating temperature range and humidity tolerance mean that the DWM-314-TP is ready for the most demanding M2M applications in virtually any environment. 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 & Applications

Specification

Device Interface
- Cellular Module: 4G LTE-Cat.4
- SIM Slot: 1*SIM(4FF Nano)
- Ethernet: 2*LAN FE, 2*LAN FE with PoE-PSE 802.3at
- Power Input: DC 48-57V (TB)(2-pin)
- Antenna Connector: 2*SMA(F)-Cellular

Performance[1]
- Maximum Cellular Data Throughput:
  LTE: 150 Mbps (DL) / 50 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
- VPN Usage: Client mode

Security
- Firewall: IPS
- Access Control: Packet Filter, MAC Filter

Administration
- Configuration: Web UI, SSH, Command Script
- Management: D-Link D-ECS[2]
- 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
- 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: 115 x 99 x 31 mm

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

Available Versions

SKU List[3]

EU SKU (HW: A1): 4G LTE
- LTE-FDD: B1/B3/B7/B8/B20/B28A
- LTE-TDD: B38/B40/B41

TW[4] SKU (HW: A3): 4G LTE
- LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28
- LTE-TDD: B40

US SKU (HW: A2): 4G LTE
- LTE: B2/B4/B5/B12/B13/B14/B66

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.
4 By Project Request.

4G LTE Antenna — LAN Port — PoE LAN Port — Status LEDs — Reset Button

GND — Power Input

Maintenance port — SIM Slot — DIN Rail

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