D-Link®

DWM-311-TP
4G PoE Modem

Key Features

WAN Status Monitoring

Plug & Play

VPN Security

PoE PSE

Industrial Grade Design

Management Platform

Applications

- Traffic Light
- Small Shop
- Surveillance
- AMR

D-Link's DWM-311-TP 4G M2M modem provides 4G-LTE cellular capability. Equipped with a Fast Ethernet port and supporting 802.3af/at PoE, this modem ensures rapid and reliable connection to any local device, providing both power and data over a single cable for streamlined deployment.

4G M2M Communications

The DWM-311-TP 4G 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 also includes a VPN client to secure communications, protecting data integrity and privacy across the network. Enhance local customer engagement through a reliable 4G network, for example, by delivering timely information, advertisements, and services. Optimize your operations and customer interactions effortlessly with our secure and efficient technology solution.

Power Device via Ethernet

The DWM-311-TP features an one port Fast Ethernet interface and equipped with 802.3af/at PoE functionality that facilitates seamless connectivity to any Ethernet PD device, additionally it also equipped with PD equipment detection functionality. If a PD device fails to respond, the system will automatically power cycle, forcing a reboot of the PD device to ensure stable operation
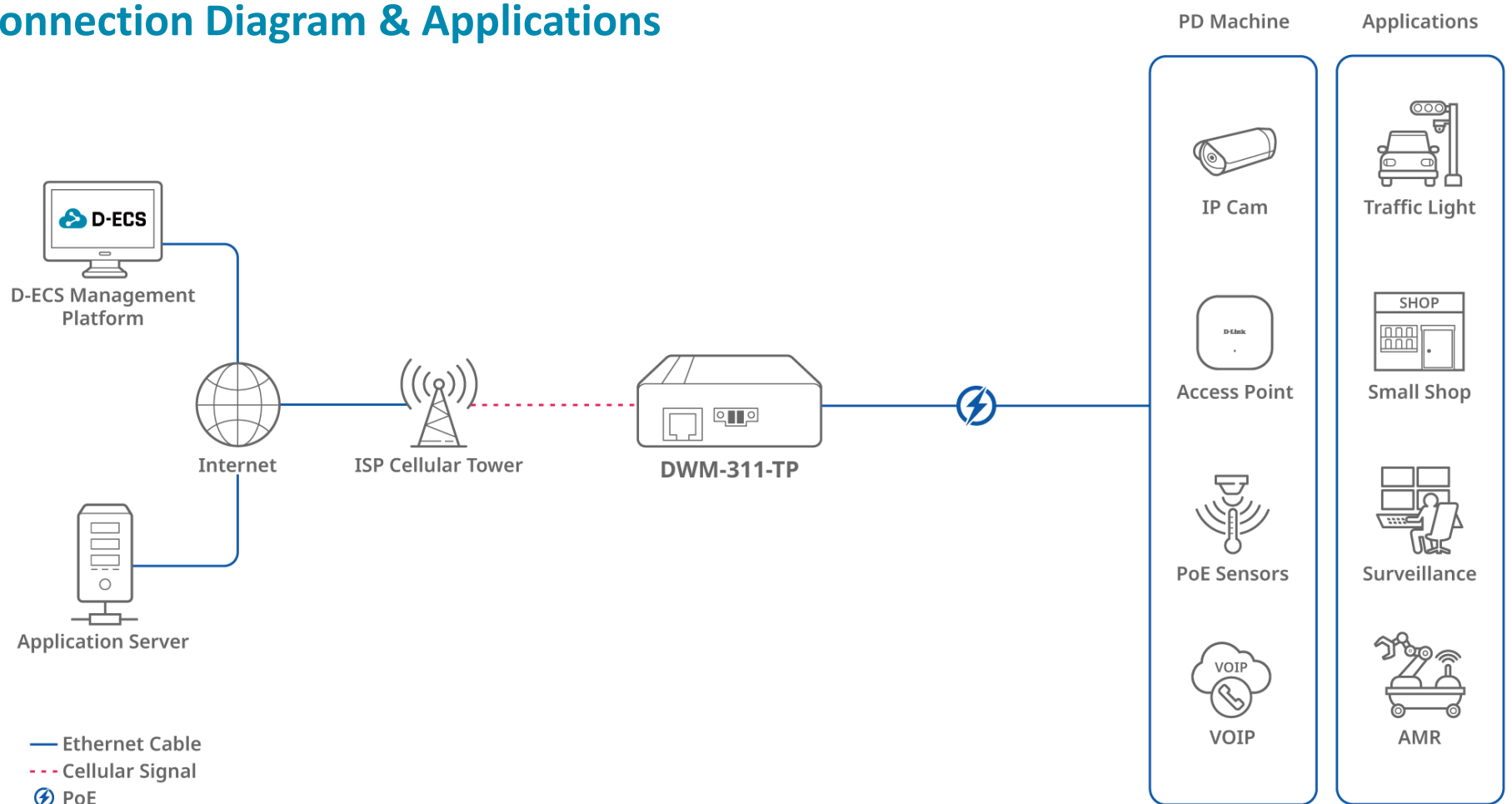
Suitable for Harsh Environment

The DWM-311-TP is designed to withstand harsh environments with its metal casing ensuring durability and operates within a broad temperature range from -30 to 70°C. It supports PoE with a wide input voltage range of DC 50-57V. Additionally, the model features built-in Network Address Translation (NAT) and bridge mode, simplifying network setup while enhancing security and interconnectivity.

Connection Diagram & Applications

- Ethernet Cable
- --- Cellular Signal
- ⚡ PoE

Specifications

Device Interface
- Cellular Module: 4G LTE-Cat.4
- SIM Slot: 1*SIM(4FF Nano)
- Ethernet: 1*RJ45 LAN FE with PoE-PSE 802.3at
- Power Input: DC 50-57V (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, Bridge
- Network Monitor: ICMP Checking

Network
- DHCP : DHCP Server
- Port Forward: Virtual Server
- DDNS: DynDNS, No-IP, Dynamic DO
- PoE: Power Control, ON/OFF by Network checking, Scheduled ON/OFF
- IPv4/v6

Security
- VPN Tunnel: OpenVPN
- VPN Usage: Client mode

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

Administration
- Configuration: Web UI, SSH
- 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: 78 x 70 x 29 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
	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.

Status LEDs

PoE LAN Port · Power Input · GND · DIN Rail · Reset Button · SIM Slot · Cell · Cell · 4G LTE Antenna

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