

DWM-313

4G M2M Wi-Fi Router



Key Features



Dual-SIM
Failover



VPN
Security



Eth and 4G
Failover



SMS Event
Management



Industrial
Grade Design



Management
Platform

Applications

- Store and Shop
- Remote Branch
- Mobile Office
- Popup and Booth

The DWM-313 4G M2M Wi-Fi Router delivers LTE Cat 4 capability. It is equipped with two Fast Ethernet ports, one of which can be configured as an Ethernet WAN. This allows easy switching between broadband and 4G LTE. Additionally, Wi-Fi N150 connectivity is provided, making it suitable for a wide range of M2M applications.

Carrier Diversity and Network Redundancy

The DWM-313 ensures continuous service with dual SIM (Micro-SIM 3FF) support for enhanced carrier diversity and network redundancy. Reliable connectivity even in locations with limited coverage is now possible. Additionally, it includes two LAN ports, one configurable as a WAN, giving you flexible options to seamlessly switch between Ethernet WAN and LTE connections, ensuring you always have the best network access.

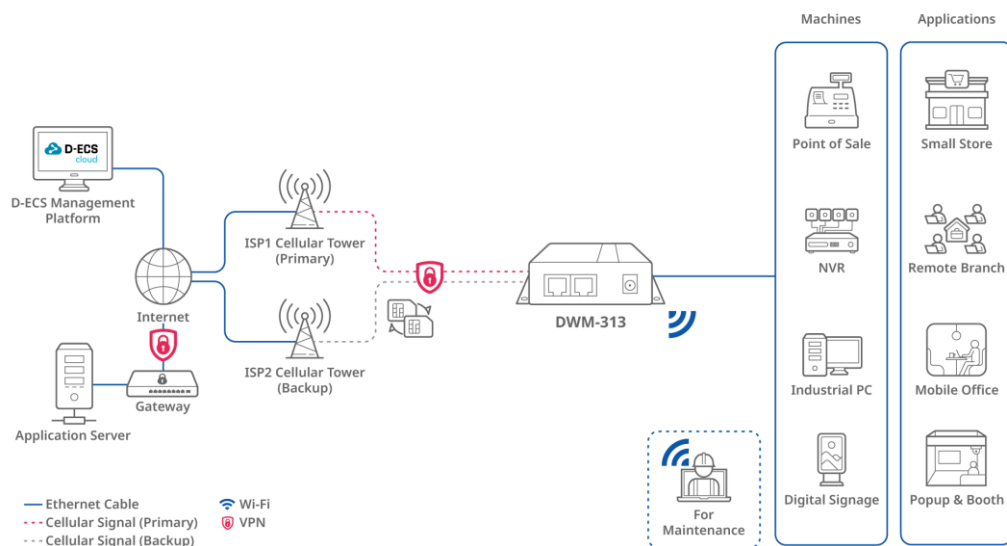
Secure Your Network with VPN

The DWM-313 boosts network security with robust VPN support, offering protocols such as IPSec, OpenVPN, PPTP, L2TP, and GRE. These features enable encrypted connections, versatile tunneling, and secure remote access to protect sensitive data effectively. Ideal for retail operations, small shops, pop-up booths, and smart parking systems, the DWM-313 ensures that financial transactions and customer information are securely managed and transmitted.

Robust Build Quality

The DWM-313 is designed to maximize M2M connection reliability and availability, featuring a corrosion-resistant zinc-plated steel casing, wide operating temperature range and humidity tolerance, making it suitable for the most demanding M2M applications in virtually any environment. Convenient wall mounting and DIN-rail design allows the DWM-313 to be mounted virtually anywhere to optimize signal quality.

Connection Diagram



Specifications

Device Interface
- Cellular: 4G LTE Cat 4 - SIM Slot: 2 x SIM (Micro SIM) with auto failover (Optional: eSIM³) - Ethernet: 1 x FE WAN/LAN port, 1 x FE LAN port - Wi-Fi: Wi-Fi N150 (2.4 GHz) - Log Storage: Micro SD slot - Power Input: DC 5 V (DC jack) - Maximum Power Consumption: 3.35 Watts - Antenna Connectors: 2 x SMA (F) cellular, 1 x SMA (RP-F) Wi-Fi
Performance ¹
- Maximum Cellular Data Throughput: - LTE: 150 Mbps (DL) / 50 Mbps (UL) - Maximum Wi-Fi Data Rate: 2.4 GHz: Up to 150 Mbps
WAN
- WAN Interface: Cellular, Ether-WAN - Multi-WAN Function: Failover - Cellular: NAT, bridge - Ether-WAN: Dynamic IP, static IP, PPPoE, PPTP, L2TP - Connection Monitoring: Ping/DNS query reboot
Network
- LAN & VLAN: DHCP server/relay, port/tag-based VLAN - Routing: Static, dynamic RIPv1/v2, OSPF - DDNS: DynDNS, No-IP, dynamic DO
Wi-Fi
- Function: Multi SSID, WIDS, AP router mode - Security: WPA/WPA2, WPA2, WPA2-PSK, WPA-PSK/WPA2-PSK, 802.1x - Encryption: WEP, AES, TKIP/AES
Services
- VPN Tunnel: IPSec, OpenVPN, PPTP, L2TP, GRE - Event Management: SMS, e-mail
VPN
- Firewall: SPI firewall, IPS, port forward - VPN Pass Through: IPSec, PPTP, L2TP
Security
- Firewall: SPI firewall, IPS, port forward - Access Control: MAC/IP filter, URL blocking
Administration
- Management: SNMPv1/2/3, D-Link D-ECS² - Maintenance: Web UI, diagnostic tools via ping/tracert - System: FW upgrade, reboot and reset - Logging: System log, external syslog server
Monitoring
- Device Status: CPU/memory usage, WAN status, client list - Cellular Status: IMSI, ICCID, operator, band, RSSI, SINR, RSRP, RSRQ - Security: VPN status, firewall status - Statistics and Reports: Cellular signal, cellular usage

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: 101.1 x 90 x 27 mm
Certifications and Approvals
- Certifications: CE, UKCA, VCCI, JATE, TELEC - Cyber Security: EN 18031-1, EN 18031-2, EN 303645
Package Contents (Standard)
2 x Cellular SMA Antennas 1 x Wi-Fi RP-SMA Antenna 1 x RJ-45 Cable 1 x Power Adapter 1 x DIN-Rail Kit

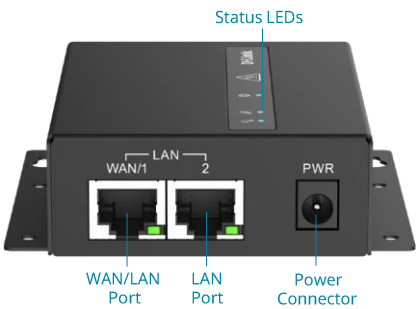
Available Versions

EU SKU (HW: C1)	
4G LTE	FDD: B1/B3/B7/B8/B20/B28A
	TDD: B38/B40/B41
Japan SKU (HW: C3)	
4G LTE	FDD: B1/B3/B8/B18/B19/B26
	TDD: B41

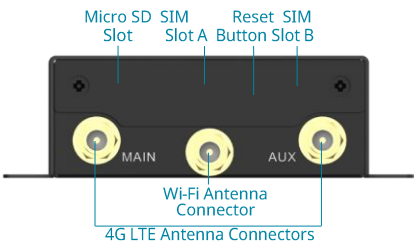
1 Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.
2 You only have to pay a M2M device license fee when applying for D-ECS license.
3 This feature is not part of the default product configuration. Customers must specifically request it when ordering, and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

Hardware

Front View



Back View

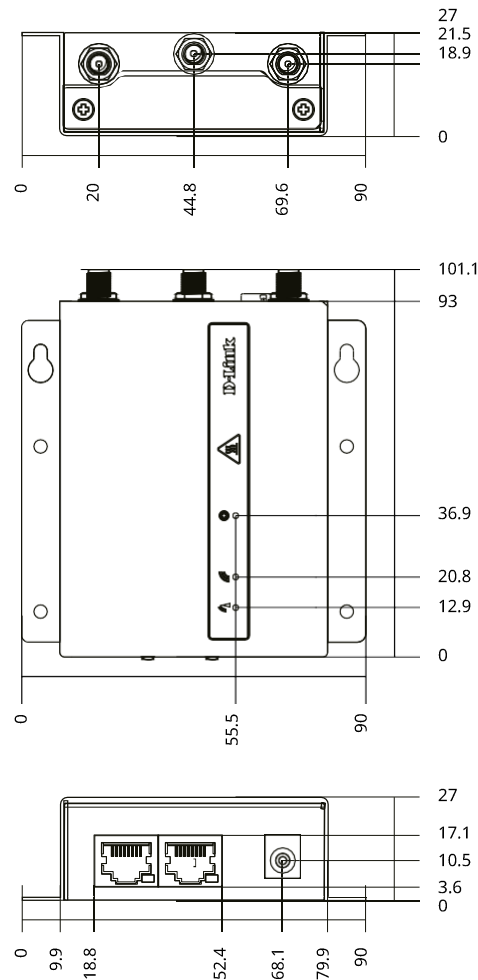


Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, 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

