

## Product Highlights

### Global Mobile Broadband

3G/4G mobile connectivity lets you take your broadband connection with you wherever you go

### Integrated Wi-Fi Connectivity

IEEE 802.11n Wi-Fi connection for multiple wireless clients

### Connection Redundancy

Failover WAN ensures uninterrupted network connectivity when wired connection fails



## DWM-313

# 4G LTE M2M Router

## Features

### Connectivity

- One WAN port (configurable to 10/100 Ethernet LAN) to connect to the Internet
- One 10/100 Ethernet LAN ports to connect wired devices for high-speed access
- 2 SIM card slots for a mobile broadband connection
- Wireless 802.11b/g/n

### Security Features

- Supports 802.11 128-bit AES encryption
- Dual-active firewalls (NAT/SPI) to control traffic and help resist attacks over the Internet

### Advanced VPN Features

- Supports VPN tunnels for IPSec, OpenVPN, PPTP, L2TP and GRE connections
- Supports PPTP/L2TP/Client, and GRE Tunneling
- IPSec NAT-Traversal

### Remote Management

- Compatible with D-Link Edge Cloud Solution (D-ECS)<sup>4</sup> for remote management of devices

The D-Link DWM-313 4G LTE M2M Router is an easy-to-deploy, high-performance Virtual Private Network (VPN) router with mobile connectivity to allow easy access to mobile broadband networks. Create a powerful private network for your home or small office with easy setup tools, advanced configuration options, and built-in security features. The DWM-313 is also designed with industrial-grade design and compact housing to ensure continuous connectivity in harsh environments. The 4G LTE connection also provides WAN failover protection when the wired connection fails, perfect for applications in banking, POS, IoT, factories, and much more.

## Fast Mobile Internet

The DWM-313 4G LTE M2M Router lets you establish a 3G/4G mobile connection with fast downlink speeds of up to 150 Mbps and uplink speeds of up to 50 Mbps, giving you the speed you need for fast, responsive Internet access. The auto-failover feature automatically switches between mobile broadband and fixed-line broadband to ensure you stay connected to the Internet in case one connection fails.

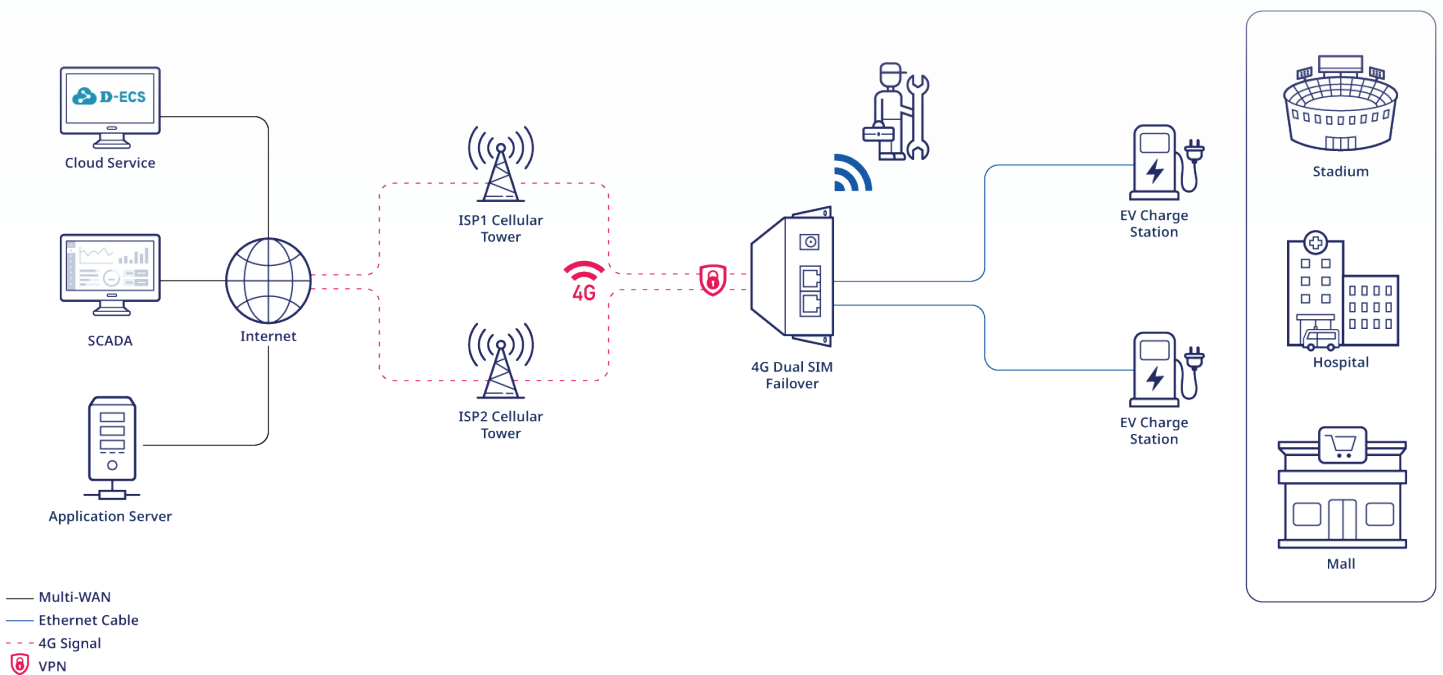
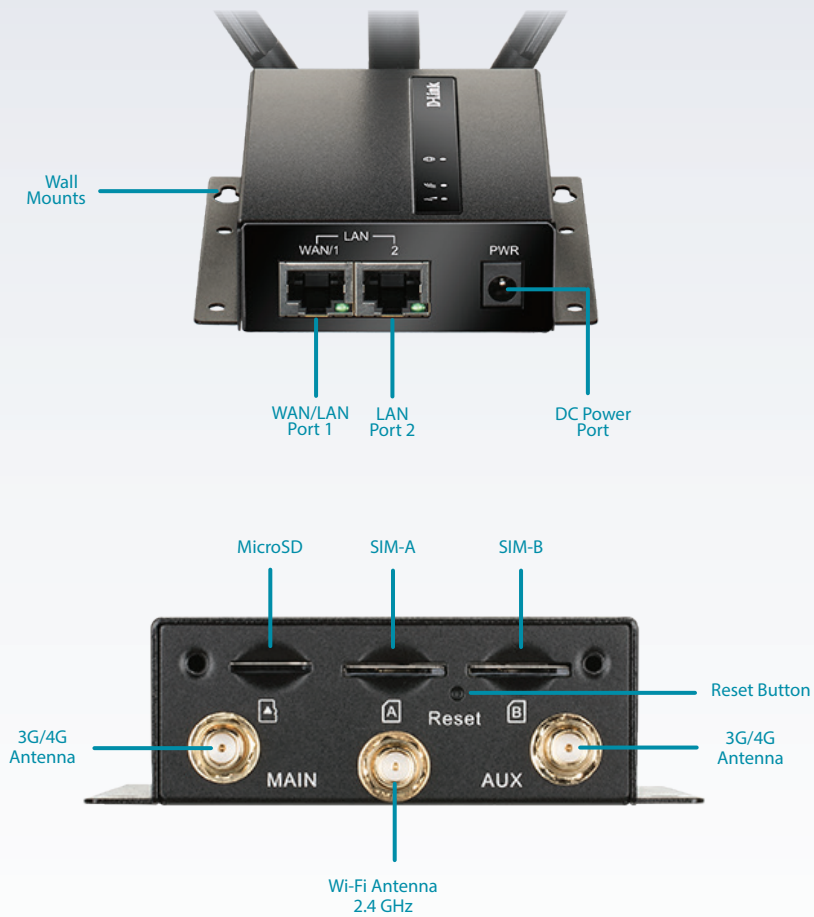
## Reliable Virtual Private Networks

The DWM-313 4G LTE M2M Router lets you create a secure high-speed Virtual Private Network (VPN) for remote or local access. It supports IPSec, OpenVPN, PPTP, L2TP and GRE protocols, and also handles pass-through traffic. Advanced VPN configuration options can be set using the comprehensive setup wizard, and include multiple encryption options, key management, negotiation modes, and VPN authentication support. With the DWM-313, you'll have all the tools you need to create the ideal VPN solution for your network.

## Remote Management

The DWM-313 4G LTE M2M Router can be managed remotely via the D-ECS management platform, an intuitive centralized network management platform with useful tools such as zero-touch deployment, role-based administration, traffic reports, data analysis, GPS location, scheduled tasks, network alerts, and much more.

# DWM-313 4G LTE M2M Router



## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• 1 x 10/100 WAN Port (configurable to LAN port)</li> <li>• 2 x 3FF micro-SIM slot</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x 10/100 Ethernet LAN port</li> </ul>
Antenna Types	<ul style="list-style-type: none"> <li>• 2 x Cellular external antennas</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x Wi-Fi antenna</li> </ul>
Cellular Data Signal Rates <sup>1</sup>	<ul style="list-style-type: none"> <li>• LTE FDD: 150 Mbps (DL) / 50 Mbps (UL)</li> <li>• DC-HSPA+: 42 Mbps (DL) / 5.76 Mbps (UL)</li> </ul>	<ul style="list-style-type: none"> <li>• WCDMA: 384 Kbps (DL) / 384 Kbps (UL)</li> </ul>
Wi-Fi Data Signal Rates <sup>1</sup>	<ul style="list-style-type: none"> <li>• Up to 150 Mbps with 802.11n clients</li> <li>• 6/9/11/12/18/24/36/48/54 Mbps in 802.11g mode</li> </ul>	<ul style="list-style-type: none"> <li>• 1/2/5.5/11 Mbps in 802.11b mode</li> </ul>

### Cellular

Standards	4G LTE Cat. 4	
Operating Bands <sup>2</sup>	SKU 1 (EU) LTE Cat. 4 Bands: B1/3/7/8/20/28A WCDMA Bands: B1/8	SKU 2 (AF) LTE Cat. 4 Bands: B2/4/5/12/13/14/66/71 WCDMA Bands: B2/4/5

### Wireless

Standards	2.4 GHz IEEE 802.11n/g/b	
Modes	<ul style="list-style-type: none"> <li>• AP Router</li> <li>• WDS</li> </ul>	<ul style="list-style-type: none"> <li>• WDS hybrid modes</li> </ul>
VAP	<ul style="list-style-type: none"> <li>• Multi-SSID</li> </ul>	<ul style="list-style-type: none"> <li>• VAP isolation</li> </ul>
Authentication	<ul style="list-style-type: none"> <li>• WPA</li> <li>• WPA2</li> <li>• WPA-PSK</li> </ul>	<ul style="list-style-type: none"> <li>• WPA2-PSK</li> <li>• 802.1x</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>• WEP</li> <li>• AES</li> </ul>	<ul style="list-style-type: none"> <li>• AES/TKIP</li> </ul>
External Authorization Server	<ul style="list-style-type: none"> <li>• RADIUS server</li> </ul>	
Advanced Features	<ul style="list-style-type: none"> <li>• Green AP</li> </ul>	<ul style="list-style-type: none"> <li>• Auto channel</li> </ul>
Max STA	0 - 80	

### WAN

Cellular	<ul style="list-style-type: none"> <li>• 2G/3G/4G LTE</li> <li>• IP pass-through</li> </ul>	<ul style="list-style-type: none"> <li>• IPv4/IPv6</li> </ul>
Ether-WAN	<ul style="list-style-type: none"> <li>• DHCP client</li> <li>• Static IP</li> <li>• L2TP</li> </ul>	<ul style="list-style-type: none"> <li>• PPPoE</li> <li>• PPTP</li> </ul>
Dual WAN	Cellular/Ethernet/wireless client WAN failover	
Dual-SIM Failover	SIM A and SIM B failover	

# DWM-313 4G LTE M2M Router

Network		
Operation Modes	• Route mode	• NAT mode
DHCP	• DHCP server	• DHCP relay
VLAN	Port and tag-based VLAN	
IPv6	• Static IPv6 • DHCPv6	• PPPoEv6
Routing	• Static • Dynamic-RIPv1/RIPv2	• OSPF
IGMP	IGMP proxy	
IP and MAC Binding	Supported	
Firewall / Security		
Firewall	SPI firewall with stealth mode	
Port Forwarding	• DMZ • Virtual Server & Computer	• VPN pass-through
IPS	• Flooding defense • ARP spoofing	• Port scan defense
Access Control	• Packet filter • URL filter	• MAC filter
VPN		
IPsec	• Site to site	• Client to site
IPsec Tunnel Number	Maximum 3 tunnels	
IPsec Keep Alive	Supported	
IPsec DPD	Supported	
PPTP	Client mode	
L2TP	Client mode	
OpenVPN	Client mode	
GRE	Maximum 32 tunnels	
Administration		
Configuration	• Web UI	• Command script
Management	• SNMPv1/2/3 • Telnet	• SSH • D-Link D-ECS <sup>3</sup>
System	• Config backup/restore • Reboot/reset	• NTP • Syslog
Diagnostic	• Packet analyzer	• Diagnostic tools

# DWM-313 4G LTE M2M Router

Physical / Environment	
Dimensions	90 x 101 x 27 mm
Weight	210 g
Power Adapter	DC 5 V / 2A
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
Certification	CE

<sup>1</sup> Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

<sup>2</sup> Supported frequency band is dependent upon hardware SKU.

<sup>3</sup> License fees will apply.

Updated 03/26/2024