D-Link®

4G LTE M2M Wi-Fi Router

High-performance, easy-to-deploy 3G/4G router featuring dual SIM slots for maximum redundancy. It offers Wi-Fi and Ethernet connectivity to allow flexible connectivity machine to machine applications.

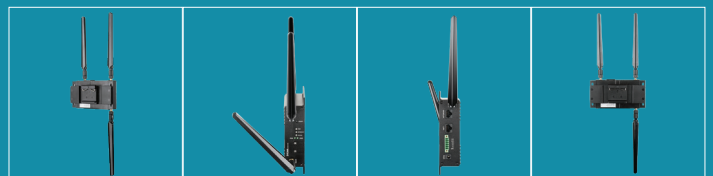### DWM-312W

High-Speed Connectivity
- Blazing fast LTE speeds of up to 150 Mbps[1]
- Wi-Fi connectivity
- Fast Ethernet for broad compatibility
- Dual-SIM for high reliability

Flexible Management
- Easy-to-use web interface
- Advanced VPN and management features
- Support for SNMP network management tools
- Support for IPSec and GRE tunneling

Sturdy and Flexible
- Industrial grade enclosure
- Wide operating temperature and humidity tolerance
- Flexible power input, 9V to 36V DC
- DIN/Wall-mount options

Blazing fast LTE speeds

Downlink speeds of up to 150 Mbps, uplink speeds of up to 50Mbps

Built tough

Withstands extreme temperatures between -20 to 60°C

Dual-SIM slots

Two configurable dual-SIMs provide fallback for maximum redundancy

Easy to deploy

DIN and wall mount option for easy installation

Advanced VPN

IPsec/PPTP/L2TP/PPPoE passthrough support

Easy management

Local and remote access through SSH/TELNET/WEB and SNMP support

Discreet size

Low profile design with dimension of just 134 x 76 x 32 mm

Three external antennas

With SMA connectors, for efficiently transmitting and receiving data

General

Mobile Network Support[2]	• LTE Cat. 4 Bands 1/3/5/7/8/20/38/40/41 • UMTS/HSPA 1/5/8, 850/900/2100 Mhz	• GSM/GPRS/EDGE: 900/1800 MHz
Data Throughput[1]	• LTE Throughput • Up to 150 Mbps down / 50 Mbps up	• HSPDA-DC up to 42 Mbps down / 5.76 Mbps up • EDGE up to 236.8 Kbps
Device Interfaces	• 1 x 10/100 Fast Ethernet WAN/LAN port • 1 x 10/100 Fast Ethernet LAN port • 1 x 5.5 mm DC input	• 3 x SMA antenna connectors: 2 LTE+1 Wi-Fi • Dual standard 2FF SIM slot • DI/DO/Grounding ports
Wi-Fi	• 802.11n/g/b • 1x1	• Operates on the 2.4 GHz band
Standards	• IEEE 802.3i	• IEEE 802.3u
Advanced Features	• IPSec VPN Client/Server modes • Firmware upgrades via FOTA	• Web-based UI

Software

WAN Connection Types	• Mobile Internet • PPPoE • IPv6 PPPoE • PPPoE Dual Stack • Static IPv4 / Dynamic IPv4	• Static IPv6 / Dynamic IPv6 • PPPoE + Static IP (PPPoE Dual Access) • PPPoE + Dynamic IP (PPPoE Dual Access) • PPTP/L2TP + Static IP • PPTP/L2TP + Dynamic IP

Network Functions	• DHCP server/relay
	• Advanced configuration of built-in DHCP server
	• Stateful/Stateless mode for IPv6 address
	  assignment, IPv6 prefix delegation
	• DNS relay
	• Dynamic DNS
	• Static IPv4/IPv6 routing
	• Dynamic routing via OSPFv2
		• Support of BGP (multiple instances,
		  RouteMap, AccessList, PrefixList)
		• Support of UPnP IGD
		• WAN ping respond
		• Support of SIP ALG
		• Support of RTSP
		• Autonegotiation of speed, duplex mode,
		  and flow control/Manual speed and duplex
		  mode setup for each Ethernet port

Wireless Security	• 802.11 128-bit AES encryption • MAC filter	• WPS (PBC/PIN)
Firewall Functions	• Network Address Translation (NAT) • Stateful Packet Inspection (SPI) • IP filter • IPv6 filter	• MAC filter • URL filter • DMZ • Virtual servers
VPN	• IPsec/PPTP/L2TP/PPPoE passthrough • L2TP over IPSec • PPTP/L2TP servers • PPTP/L2TP/GRE tunnels • IPsec tunnels	• Transport/Tunnel mode • IKEv1/IKEv2 support • DES encryption • NAT Traversal • Support of DPD (Keep-alive for VPN tunnels)

QoS	• SW QoS
	• Classifications
		• Algorithms:
		  • Traffic marking (DSMARK)
		  • Weighted queues (HTB or WFQ)
		  • Ordinary queues (PRIO)
		  • Shaper (TBF)

Advanced Wireless Functions	• Client functionality
	• WMM (Wi-Fi QoS)
	• Information on connected Wi-Fi clients
	• Advanced settings
	• Guest Wi-Fi / MBSSID support
		• Periodic scanning of channels, automatic
		  switching to least-loaded channel
		• Auto negotiation of channel bandwidth in accordance
		  with environment conditions (20/40 coexistence)

LTE Module Functions	• Auto connection to available supported networks (4G/3G) • Auto configuration upon plugging in a SIM card • Enabling/disabling PIN code check	• Support for changing PIN code • Sending/receiving/reading/deleting SMS messages • Support of USSD requests

Management and Monitoring	• Local and remote access to settings through
	  SSH/TELNET/WEB (HTTP/HTTPS)
	• Notification on connection problems
	  and auto redirect to settings
	• Firmware update via web-based interface
	• Automatic notification on new firmware version
	• Saving/restoring configuration to/from file
	• Support of logging to remote host
		• Automatic synchronization of system time with
		  NTP server and manual time/date setup
		• Ping utility
		• Traceroute utility
		• SNMP agent (SNMPv2/v3)
		• FOTA
		• Automatic upload of configuration file
		  from ISP's server (Auto Provision)

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Physical

LED Status Indicators	• Power • Internet Connectivity	• SIM Status • Signal Strength
Power	• 12 V / 1 A adapter	• Flexible input: DC 9V / 2A ~ 36V / 0.7A
Enclosure	• Corrosion-resistant zinc-plated steel	
Dimensions	• 134 x 76 x 32 mm	• DIN Mount: 149 x 50 x 15 mm
Weight	• 500 g	
Temperature	• Operating: -20 to 60 ˚C	• Storage : -30 to 80 ˚C
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• RoHS	• CE

[1] Data rates are theoretical. Data transfer rate depends on network capacity, signal strength, and environmental factors.
[2] Available frequencies and speeds vary and may not be available in all regions.
[3] This feature will only be supported for projects.

Right Panel

Reset Button
Power
Internet Connectivity
Signal Strength
SIM Card LEDs
SIM Card Slot Cover

Left Panel

Ethernet
LAN Port

DC
Power
Port

Ethernet
WAN/LAN
Port

DI/DO/Grounding Port
(Optional Software Support[3])

DIN Mounting

Dual-SIM Slots

SIM A

SIM B

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