

Product Highlights

FLEXIBLE MOBILE BROADBAND
3G/4G connectivity for broadband mobile connection

ROBUST DESIGN
Zinc-plated steel case,
wide range of operating temperatures

IPV6 SUPPORT
All needed functions
for up-to-date networking

SECURITY
Multiple firewall functions,
PPTP/L2TP/GRE/IPSec tunnels



DWM-312

4G LTE M2M Router with one module for two SIM cards

Built-in LTE Modem

The router is equipped with a built-in LTE modem which provides 3G/4G mobile connection with fast downlink speeds of up to 150Mbps and uplink speeds of up to 50Mbps.¹

Security

The router DWM-312 includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

The SSH protocol support provides more secure remote configuration and management of the router due to encryption of all transmitted traffic, including passwords.

In addition, the router supports IPsec and allows to create secure VPN tunnels. Support of the IKEv2 protocol allows to provide simplified message exchange and use asymmetric authentication engine upon configuration of an IPsec tunnel.

The router also supports the SkyDNS web content filtering service, which provides more settings and opportunities for safer Internet experience for home users of all ages and for professional activities of corporate users.

Now the schedules are also implemented; they can be applied to MAC filter rules and used to reboot the router at the specified time or every specified time period.

Easy configuration and update

You can configure the settings of the router DWM-312 via the user-friendly web-based interface (the interface is available in two languages – in Russian and in English).

You can simply update the firmware: the router itself finds approved firmware on D-Link update server and notifies when ready to install it.

¹ Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

Hardware	
Processor	<ul style="list-style-type: none"> MT7620A (580MHz)
RAM	<ul style="list-style-type: none"> 128MB, DDR2
Flash	<ul style="list-style-type: none"> 16MB, SPI
Built-in modem	<ul style="list-style-type: none"> Quectel EC25-E
Interfaces	<ul style="list-style-type: none"> 10/100BASE-TX LAN port 2 slots for SIM card (micro-SIM)
LEDs	<ul style="list-style-type: none"> POWER INTERNET NETWORK TYPE SIGNAL STRENGTH LAN
Buttons	<ul style="list-style-type: none"> RESET button to restore factory default settings
Antenna	<ul style="list-style-type: none"> Two detachable LTE/3G antennas (3dBi gain) Two SMA Female connectors for LTE/3G antennas
Power connector	<ul style="list-style-type: none"> Power input connector (DC)
Mounting	<ul style="list-style-type: none"> Desktop Wall
Housing	<ul style="list-style-type: none"> Metal

Software	
WAN connection types	<ul style="list-style-type: none"> Mobile Internet
Network functions	<ul style="list-style-type: none"> 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 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 Ethernet port
Firewall functions	<ul style="list-style-type: none"> Network Address Translation (NAT) Stateful Packet Inspection (SPI) IPv4/IPv6 filter MAC filter URL filter DMZ Virtual servers Built-in SkyDNS web content filtering service
VPN	<ul style="list-style-type: none"> IPsec/PPTP/L2TP/PPPoE pass-through PPTP/L2TP/GRE tunnels IPsec tunnels Transport/Tunnel mode IKEv1/IKEv2 support DES encryption NAT Traversal Support of DPD (Keep-alive for VPN tunnels)
Management and monitoring	<ul style="list-style-type: none"> Local and remote access to settings through SSH/TELNET/WEB (HTTP/HTTPS) Bilingual web-based interface for configuration and management (Russian/English) 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 TR-069 client Schedules for MAC filters rules and automatic reboot SNMP agent (SNMPv2/v3)

LTE Module Parameters	
LTE connection rate ²	<ul style="list-style-type: none"> Downlink: up to 150Mbps Uplink: up to 50Mbps
Supported frequencies ³	<ul style="list-style-type: none"> LTE FDD: B1/B3/B5/B7/B8/B20 LTE TDD: B38/B40/B41 WCDMA: B1/B5/B8 GSM: B3/B8
Functions	<ul style="list-style-type: none"> Auto connection to available type of supported network (4G/3G/2G) Auto configuration of connection upon plugging in SIM card Enabling/disabling PIN code check, changing PIN code Sending/receiving/reading/removing SMS messages Support of USSD requests

Physical Parameters	
Dimensions (L x W x H)	<ul style="list-style-type: none"> 70 x 93 x 24 mm (2.76 x 3.66 x 0.92 in)
Weight	<ul style="list-style-type: none"> 210 g (0.46 lb)

Operating Environment	
Power	<ul style="list-style-type: none"> Output: from 5V / 2A to 18V / 0.7A DC
Temperature	<ul style="list-style-type: none"> Operating: from -20 to 60 °C Storage: from -40 to 85 °C
Humidity	<ul style="list-style-type: none"> Operating: from 5% to 85% (non-condensing) Storage: from 0% to 95% (non-condensing)

Delivery Package	
<ul style="list-style-type: none"> Router DWM-312 Two detachable LTE/3G antennas Power adapter DC 5V/2A "Quick Installation Guide" (brochure) 	

Specifications are subject to change without notice.

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³ Supported frequency bands are dependent on regional variants.