

Product Highlights

HIGH POWER AND SPEED

New dual core (1GHz),
Gigabit Ethernet ports,
total wireless connection
rate up to 1200Mbps¹

FLEXIBLE MOBILE BROADBAND

3G/4G connectivity
for broadband mobile connection

EXTREME WI-FI PERFORMANCE

MU-MIMO for best rates, 2 data streams for
increased throughput

IPV6 SUPPORT

All needed functions
for up-to-date networking

SECURITY

Multiple firewall functions,
several security standards
for wireless connection



DWR-953

Wireless AC1200 Wave 2 MU-MIMO 4G LTE Router with Gigabit Ethernet Ports

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.²

Wireless Interface

Using the DWR-953 device, you are able to quickly create a high-speed wireless network at home or in your office, which lets computers and mobile devices access the Internet virtually anywhere (within the operational range of your wireless network). Simultaneous activity of 2.4GHz band and 5GHz band allows performing a wide range of tasks. The router can operate as a base station for connecting wireless devices of the standards 802.11a, 802.11b, 802.11g, 802.11n, and 802.11ac (at the wireless connection rate up to 1167Mbps¹).

Secure Wireless Connection

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2/WPA3), MAC address filtering, WPS, WMM.

In addition, the device is equipped with a button for switching the Wi-Fi network off/on. If needed, for example, when you leave home, you can easily switch the router's WLAN by pressing the button, and devices connected to the LAN ports of the router will stay online.

¹ Up to 300Mbps for 2.4GHz and up to 867Mbps for 5GHz.

² Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

Advanced Capabilities of Wireless Network

Multi-user MIMO technology allows to distribute the router's resources to let multiple wireless clients use the Wi-Fi network efficiently, keeping high rates for HD media streaming, lag-free gaming, and fast transfer of large files.

Transmit Beamforming technology allows to flexibly change the antennas' radiation pattern and to redistribute the signal directly to wireless devices connected to the router.

Smart adjustment of Wi-Fi clients is useful for networks based on several D-Link access points or routers – when the smart adjustment function is configured on each of them, a client always connects to the access point (router) with the highest signal level.

Support of guest Wi-Fi network allows you to create a separate wireless network with individual security settings and maximum rate limitation. Devices connected to the guest network will be able to access the Internet, but will be isolated from the devices and resources of the router's LAN.

Security

The wireless router DWR-953 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 the rules and settings of the firewall and used to reboot the router at the specified time or every specified time period, to set rules for limitation of wireless client maximum bandwidth, and to enable/disable the wireless network and the Wi-Fi filter.

Easy configuration and update

You can configure the settings of the wireless router DWR-953 via the user-friendly web-based interface (the interface is available in several languages).

The configuration wizard allows you to quickly switch DWR-953 to one of the following modes: router (for connection to a wired or wireless ISP), access point, repeater, or client, and then configure all needed setting for operation in the selected mode in several simple steps.

Also DWR-953 supports configuration and management via mobile application for Android and iPhone smartphones.

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

Hardware	
Processor	<ul style="list-style-type: none"> RTL8685PB (1GHz)
RAM	<ul style="list-style-type: none"> 128MB, DDR2, built in processor
Flash	<ul style="list-style-type: none"> 16MB, SPI
Built-in modem	<ul style="list-style-type: none"> BroadMobi BM806U-E1
Interfaces	<ul style="list-style-type: none"> Slot for SIM card (mini-SIM) 10/100/1000BASE-T WAN port 4 10/100/1000BASE-T LAN ports
LEDs	<ul style="list-style-type: none"> POWER INTERNET 5GHz 2.4GHz 4G 2G/3G LAN WAN SMS SIGNAL STRENGTH
Buttons	<ul style="list-style-type: none"> ON/OFF button to power on/power off RESET button to restore factory default settings WPS button to set up wireless connection WLAN button to enable/disable wireless network
Antenna	<ul style="list-style-type: none"> Two detachable LTE/3G antennas (3dBi gain) Two SMA Female connectors for LTE/3G antennas Two internal Wi-Fi antennas for 2.4GHz band (3dBi gain) Two internal Wi-Fi antennas for 5GHz band (3dBi gain)
MIMO	<ul style="list-style-type: none"> 2 x 2, MU-MIMO
Power connector	<ul style="list-style-type: none"> Power input connector (DC)

Software	
WAN connection types	<ul style="list-style-type: none"> Mobile Internet PPPoE IPv6 PPPoE PPPoE Dual Stack Static IPv4 / Dynamic IPv4 Static IPv6 / Dynamic IPv6 PPPoE + Static IP PPPoE + Dynamic IP PPTP/L2TP + Static IP PPTP/L2TP + Dynamic IP
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 Automatic obtainment of LAN IP address (for access point/repeater/client modes) DNS relay Dynamic DNS Static IPv4/IPv6 routing IGMP Proxy RIP Support of UPnP Support of VLAN WAN ping respond Support of SIP ALG Support of RTSP WAN failover LAN/WAN conversion Autonegotiation of speed, duplex mode, and flow control / Manual speed and duplex mode setup for each Ethernet port Built-in UDPXY application Equal load distribution while using several WAN connections (traffic balancing)

Software	
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 servers · PPTP/L2TP tunnels · L2TP over IPsec client · GRE/EoGRE/EoIP tunnels · IPsec tunnels <ul style="list-style-type: none"> 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) · Multilingual web-based interface for configuration and management · Support of D-Link Assistant application for Android and iPhone smartphones · 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 rules and settings of firewall, automatic reboot, limitation of wireless client maximum bandwidth, and enabling/disabling wireless network and Wi-Fi filter · Automatic upload of configuration file from ISP's server (Auto Provision) · Configuration of action for hardware buttons

LTE Module Parameters	
LTE connection rate ³	<ul style="list-style-type: none"> Downlink: up to 150Mbps Uplink: up to 50Mbps
Supported frequencies ⁴	<ul style="list-style-type: none"> Power Class 3 LTE <ul style="list-style-type: none"> Band: TX / RX B1: 1920~1980MHz / 2110~2170MHz B2: 1850~1910MHz / 1930~1990MHz B3: 1710~1785MHz / 1805~1880MHz B5: 824~849MHz / 869~894MHz B7: 2500~2570MHz / 2620~2690MHz B8: 880~915MHz / 925~960MHz B20: 832~862MHz / 791~821MHz B38: 2570~2620MHz / 2570~2620MHz B40: 2300~2400MHz / 2300~2400MHz UMTS <ul style="list-style-type: none"> B1/2/3/5/8 (2100/1900/1800/850/900MHz) GSM/GPRS <ul style="list-style-type: none"> 850/900/1800/1900MHz
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 (For DWR-953 with the built-in modem FW version M1.4.4_E1.0.3_A1.1.8. See the data on the modem FW version in the web-based interface of the router, on the "LTE Modem" page.)

Wireless Module Parameters	
Standards	<ul style="list-style-type: none"> IEEE 802.11ac Wave 2 IEEE 802.11a/b/g/n IEEE 802.11k/v IEEE 802.11w
Frequency range <i>The frequency range depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> 2400 ~ 2483.5MHz 5150 ~ 5350MHz 5650 ~ 5850MHz
Wireless connection security	<ul style="list-style-type: none"> WEP WPA/WPA2 (Personal/Enterprise) WPA3 (Personal) MAC filter WPS (PBC/PIN)
Advanced functions	<ul style="list-style-type: none"> Support of client mode WMM (Wi-Fi QoS) Information on connected Wi-Fi clients Advanced settings Smart adjustment of Wi-Fi clients Guest Wi-Fi / support of MBSSID Rate limitation for wireless network/separate MAC addresses Periodic scan of channels, automatic switch to least loaded channel Support of 2.4GHz/5GHz TX Beamforming Autonegotiation of channel bandwidth in accordance with environment conditions (20/40 Coexistence) Support of STBC
Wireless connection rate	<ul style="list-style-type: none"> IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54Mbps IEEE 802.11b: 1, 2, 5.5, and 11Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps IEEE 802.11n (2.4GHz/5GHz): from 6.5 to 300Mbps (from MCS0 to MCS15) IEEE 802.11ac (5GHz): from 6.5 to 867Mbps (from MCS0 to MCS9)

³ Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

⁴ Supported frequency bands are dependent on regional variants.

Wireless Module Parameters	
Transmitter output power <i>The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> · 802.11b 15dBm (+/-1.5dB) · 802.11g 12dBm (+/-1.5dB) · 802.11n HT20 12dBm (+/-1.5dB) HT40 12dBm (+/-1.5dB) · 802.11ac 14dBm
Receiver sensitivity	<ul style="list-style-type: none"> · 802.11b -76dBm at 11Mbps · 802.11g -65dBm at 54Mbps · 802.11n HT20 -64dBm at MCS7/15 HT40 -61dBm at MCS7/15 · 802.11ac VHT20 -56dBm at MCS8 VHT40 -53dBm at MCS9 VHT80 -51dBm at MCS9
Modulation schemes	<ul style="list-style-type: none"> · 802.11b: DSSS/BPSK/QPSK/CCK · 802.11g: OFDM/DSSS/BPSK/QPSK/CCK · 802.11n: BPSK/QPSK/16 QAM/64 QAM/DBPSK/DQPSK/CCK · 802.11ac: BPSK/QPSK/16 QAM/64 QAM/256 QAM

Physical Parameters	
Dimensions (L x W x H)	· 170 x 80 x 180 mm (6.7 x 3.2 x 7.1 in)
Weight	· 400 g (0.88 lb)

Operating Environment	
Power	· Output: 12V DC, 1.5A
Temperature	<ul style="list-style-type: none"> · Operating: from 0 to 40 °C · Storage: from -10 to 70 °C
Humidity	<ul style="list-style-type: none"> · Operating: from 10% to 90% (non-condensing) · Storage: from 0% to 95% (non-condensing)

Delivery Package	
<ul style="list-style-type: none"> · Router DWR-953 · Power adapter DC 12V/1.5A · Ethernet cable · Two detachable LTE/3G antennas · "Quick Installation Guide" (brochure) 	