Product Highlights

HIGH POWER AND SPEED

Gigabit Ethernet ports, total wireless connection rate up to 1200Mbps[1]

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-953V2

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-953V2 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 1167Mbps[1]).

Secure Wireless Connection

The router supports multiple functions for the wireless interface: several security standards (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.

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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-953V2 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-953V2 via the user-friendly web-based interface (the interface is available in two languages – in Russian and in English).

The configuration wizard allows you to quickly switch DWR-953V2 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-953V2 supports configuration and management via mobile application for Android 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.

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Hardware	
Processor	· RTL8197FS (1GHz)
RAM	· 128MB, DDR2, built in processor
Flash	· 16MB, SPI
Built-in modem	· Qualcomm MDM9225
Interfaces	· Slot for SIM card (mini-SIM) · 10/100/1000BASE-T WAN port · 3 10/100/1000BASE-T LAN ports
LEDs	· POWER · INTERNET · WWAN · 2.4GHz · 5GHz · SMS · WAN/LAN · LAN 1-3 · Signal strength
Buttons	· POWER button to power on/power off · RESET button to restore factory default settings · WPS button to set up wireless connection and enable/disable wireless network
Antenna	· Two external non-detachable LTE/3G antennas (3dBi gain) · Two internal Wi-Fi antennas for 2.4GHz and 5GHz band (1.3dBi gain)
MIMO	· 2 x 2, MU-MIMO
Power connector	· Power input connector (DC)
Mounting	· Desktop

Software	
WAN connection types	· 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	· 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/MLD Proxy · RIP · Support of UPnP · Support of VLAN · WAN ping respond · Support of SIP ALG · Support of RTSP · WAN failover · Autonegotiation of speed, duplex mode, and flow control / Manual speed and duplex mode setup for each Ethernet port · Wake-on-LAN support
Firewall functions	· 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

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Software	
VPN	· IPsec/PPTP/L2TP/PPPoE pass-through · PPTP/L2TP tunnels · L2TP over IPsec client · IPsec tunnels Transport/Tunnel mode IKEv1/IKEv2 support DES encryption NAT Traversal Support of DPD (Keep-alive for VPN tunnels)
Management and monitoring	· Local and remote access to settings through SSH/TELNET/WEB (HTTP/HTTPS) · Bilingual web-based interface for configuration and management (Russian/English) · Support of D-Link Assistant application for Android 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]	· Downlink: up to 150Mbps · Uplink: up to 50Mbps
Supported frequencies[4]	· Power Class 3 · LTE FDD-LTE band: 1/3/7/8/20/28 TDD-LTE band: 38/40 · UMTS Band 1/8 (2100/900MHz) · GSM/GPRS Band 3/8 (1800/900MHz)
Functions	· 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

Wireless Module Parameters	
Standards	· IEEE 802.11ac Wave 2 · IEEE 802.11a/b/g/n · IEEE 802.11k/v · IEEE 802.11w
Frequency range *The frequency range depends upon the radio frequency regulations applied in your country*	· 2400 ~ 2483.5MHz · 5150 ~ 5350MHz · 5650 ~ 5850MHz
Wireless connection security	· WPA/WPA2 (Personal/Enterprise) · WPA3 (Personal) · MAC filter · WPS (PBC/PIN)

3 Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.
4 Supported frequency bands are dependent on regional variants.

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Wireless Module Parameters	
Advanced functions	· 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	· 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)
Transmitter output power *The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country*	· 2.4GHz Less than 19.3dBm (85.1mW) · 5GHz Less than 17.3dBm (53.7mW)
Receiver sensitivity	· 802.11a -82dBm at 6Mbps -81dBm at 9Mbps -79dBm at 12Mbps -77dBm at 18Mbps -74dBm at 24Mbps -70dBm at 36Mbps -66dBm at 48Mbps -65dBm at 54Mbps · 802.11b -79dBm at 1~11Mbps · 802.11g -82dBm at 6Mbps -81dBm at 9Mbps -79dBm at 12Mbps -77dBm at 18Mbps -74dBm at 24Mbps -70dBm at 36Mbps -66dBm at 48Mbps -65dBm at 54Mbps · 802.11n 2.4GHz/5GHz, HT20 -82dBm at MCS0/8 -79dBm at MCS1/9 -77dBm at MCS2/10 -74dBm at MCS3/11 -70dBm at MCS4/12 -66dBm at MCS5/13 -65dBm at MCS6/14 -64dBm at MCS7/15 2.4GHz/5GHz, HT40 -79dBm at MCS0/8 -76dBm at MCS1/9 -74dBm at MCS2/10 -71dBm at MCS3/11 -67dBm at MCS4/12 -63dBm at MCS5/13 -62dBm at MCS6/14 -61dBm at MCS7/15

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Wireless Module Parameters	
	· 802.11ac VHT20 -82dBm at MCS0 -79dBm at MCS1 -77dBm at MCS2 -74dBm at MCS3 -70dBm at MCS4 -66dBm at MCS5 -65dBm at MCS6 -64dBm at MCS7 -59dBm at MCS8 VHT40 -79dBm at MCS0 -76dBm at MCS1 -74dBm at MCS2 -71dBm at MCS3 -67dBm at MCS4 -63dBm at MCS5 -62dBm at MCS6 -61dBm at MCS7 -56dBm at MCS8 -54dBm at MCS9 VHT80 -76dBm at MCS0 -73dBm at MCS1 -71dBm at MCS2 -68dBm at MCS3 -64dBm at MCS4 -60dBm at MCS5 -59dBm at MCS6 -58dBm at MCS7 -53dBm at MCS8 -51dBm at MCS9
Modulation schemes	· 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)	· 154 x 32 x 122 mm (6.1 x 1.3 x 4.8 in)
Weight	· 275 g (0.61 lb)

Operating Environment	
Power	· Output: 12V DC, 1A · Power adapter cable length: 1.2 m
Maximum Power Consumption	· 12W
Temperature	· Operating: from 0 to 40 °C · Storage: from -10 to 70 °C
Humidity	· Operating: from 10% to 90% (non-condensing) · Storage: from 0% to 95% (non-condensing)

Delivery Package

- Router DWR-953V2
- Power adapter DC 12V/1A
- Ethernet cable
- “Quick Installation Guide” (brochure)
- SIM card adapter