

## Product Highlights

### HIGH POWER AND SPEED

New dual core (1GHz),  
Gigabit Ethernet ports,  
total wireless connection rate  
up to 1200Mbps<sup>2</sup>

### FLEXIBLE MOBILE BROADBAND

3G/4G connectivity for  
broadband mobile connection

### IPV6 SUPPORT

All needed functions  
for up-to-date networking

### SECURITY

Multiple firewall functions,  
several security standards  
for wireless connection



## DWR-953

### Wireless AC1200 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 LTE connection with fast downlink speeds of up to 150Mbps and uplink speeds up to 50Mbps.<sup>1</sup>

#### 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 1167Mbps<sup>2</sup>).

#### Secure Wireless Connection

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), 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.

#### Advanced Capabilities of Wireless Network

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.

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

<sup>2</sup> Up to 300Mbps for 2.4GHz and up to 867Mbps for 5GHz.

### 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.

Built-in Yandex.DNS service protects against malicious and fraudulent web sites and helps to block access to adult content on children's devices.

### 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 fast and easy configuration wizard allows you to specify all needed parameters in several simple steps.

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

Software	
<b>WAN connection types</b>	<ul style="list-style-type: none"> <li>LTE</li> <li>PPPoE</li> <li>IPv6 PPPoE</li> <li>PPPoE Dual Stack</li> <li>Static IP / Dynamic IP</li> <li>Static IPv6 / Dynamic IPv6</li> <li>PPPoE + Static IP</li> <li>PPPoE + Dynamic IP</li> <li>PPTP/L2TP + Static IP</li> <li>PPTP/L2TP + Dynamic IP</li> <li>Bridge</li> </ul>

Software	
<b>Network functions</b>	<ul style="list-style-type: none"> <li>· Support of IEEE 802.1X for Internet connection</li> <li>· DHCP server/relay</li> <li>· Stateful/Stateless mode for IPv6 address assignment, IPv6 prefix delegation</li> <li>· DNS relay</li> <li>· Dynamic DNS</li> <li>· Static IP routing</li> <li>· Static IPv6 routing</li> <li>· IGMP Proxy</li> <li>· RIP</li> <li>· Support of UPnP IGD</li> <li>· Support of VLAN</li> <li>· WAN ping respond</li> <li>· Support of SIP ALG</li> <li>· Support of RTSP</li> <li>· WAN failover</li> <li>· LAN/WAN conversion</li> </ul>
<b>Firewall functions</b>	<ul style="list-style-type: none"> <li>· Network Address Translation (NAT)</li> <li>· Stateful Packet Inspection (SPI)</li> <li>· IP filter</li> <li>· IPv6 filter</li> <li>· MAC filter</li> <li>· URL filter</li> <li>· DMZ</li> <li>· Prevention of ARP and DDoS attacks</li> <li>· Virtual servers</li> <li>· Built-in Yandex.DNS web content filtering service</li> </ul>
<b>VPN</b>	<ul style="list-style-type: none"> <li>· IPsec/PPTP/L2TP/PPPoE pass-through</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>· Interface grouping</li> <li>· VLAN priority (802.1p)</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>· Local and remote access to settings through TELNET/WEB (HTTP/HTTPS)</li> <li>· Multilingual web-based interface for configuration and management</li> <li>· Notification on connection problems and auto redirect to settings</li> <li>· Firmware update via web-based interface</li> <li>· Automatic notification on new firmware version</li> <li>· Saving/restoring configuration to/from file</li> <li>· Support of logging to remote host</li> <li>· Automatic synchronization of system time with NTP server and manual time/date setup</li> <li>· Ping utility</li> <li>· Traceroute utility</li> <li>· TR-069 client</li> </ul>

LTE Module Parameters	
<b>LTE connection rate<sup>3</sup></b>	<ul style="list-style-type: none"> <li>· Downlink: up to 150Mbps</li> <li>· Uplink: up to 50Mbps</li> </ul>
<b>Supported frequencies<sup>4</sup></b>	<ul style="list-style-type: none"> <li>· Power Class 3</li> <li>· LTE</li> <li style="padding-left: 20px;">Band: TX / RX</li> <li style="padding-left: 20px;">B1: 1920~1980MHz / 2110~2170MHz</li> <li style="padding-left: 20px;">B2: 1850~1910MHz / 1930~1990MHz</li> <li style="padding-left: 20px;">B3: 1710~1785MHz / 1805~1880MHz</li> <li style="padding-left: 20px;">B5: 824~849MHz / 869~894MHz</li> <li style="padding-left: 20px;">B7: 2500~2570MHz / 2620~2690MHz</li> <li style="padding-left: 20px;">B8: 880~915MHz / 925~960MHz</li> <li style="padding-left: 20px;">B20: 832~862MHz / 791~821MHz</li> <li style="padding-left: 20px;">B38: 2570~2620MHz / 2570~2620MHz</li> <li style="padding-left: 20px;">B40: 2300~2400MHz / 2300~2400MHz</li> <li>· UMTS</li> <li style="padding-left: 20px;">B1/2/3/5/8 (2100/1900/1800/850/900MHz)</li> <li>· GSM/GPRS</li> <li style="padding-left: 20px;">850/900/1800/1900MHz</li> </ul>

<sup>3</sup> Data rates are theoretical. Data transfer rate depends on network capacity and signal strength.

<sup>4</sup> Supported frequency bands are dependent on regional variants.

LTE Module Parameters	
<b>Functions</b>	<ul style="list-style-type: none"> <li>Auto connection to available type of supported network (4G/3G/2G)</li> <li>Auto configuration of connection upon plugging in SIM card</li> <li>Enabling/disabling PIN code check, changing PIN code</li> <li>Sending/receiving/reading/removing SMS messages</li> </ul>

Wireless Module Parameters	
<b>Standards</b>	<ul style="list-style-type: none"> <li>IEEE 802.11n/ac</li> <li>IEEE 802.11b/g/n</li> </ul>
<b>Frequency range</b>	<ul style="list-style-type: none"> <li>2400 ~ 2483.5MHz</li> <li>5150 ~ 5350MHz</li> <li>5650 ~ 5725MHz</li> </ul>
<b>Wireless connection security</b>	<ul style="list-style-type: none"> <li>WEP</li> <li>WPA/WPA2 (Personal/Enterprise)</li> <li>MAC filter</li> <li>WPS (PBC/PIN)</li> </ul>
<b>Advanced functions</b>	<ul style="list-style-type: none"> <li>WMM (Wi-Fi QoS)</li> <li>Information on connected Wi-Fi clients</li> <li>Advanced settings</li> <li>Guest Wi-Fi / support of MBSSID</li> <li>Limitation of wireless network rate</li> <li>Periodic scan of channels, automatic switch to least loaded channel</li> <li>Autonegotiation of channel bandwidth in accordance with environment conditions (20/40 Coexistence)</li> </ul>
<b>Wireless connection rate</b>	<ul style="list-style-type: none"> <li>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54Mbps</li> <li>IEEE 802.11b: 1, 2, 5.5, and 11Mbps</li> <li>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps</li> <li>IEEE 802.11n (2.4GHz/5GHz): from 6.5 to 300Mbps (from MCS0 to MCS15)</li> <li>IEEE 802.11ac (5GHz): from 6.5 to 867Mbps (from MCS0 to MSC9)</li> </ul>
<b>Transmitter output power</b> <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"> <li>802.11b 15dBm (+/-1.5dB)</li> <li>802.11g 12dBm (+/-1.5dB)</li> <li>802.11n HT20 12dBm (+/-1.5dB) HT40 12dBm (+/-1.5dB)</li> <li>802.11ac 14dBm</li> </ul>
<b>Receiver sensitivity</b>	<ul style="list-style-type: none"> <li>802.11b -76dBm at 11Mbps</li> <li>802.11g -65dBm at 54Mbps</li> <li>802.11n HT20 -64dBm at MCS15 HT40 -61dBm at MCS15</li> <li>802.11ac HT20 -56dBm at MCS8 HT40 -53dBm at MCS9 HT80 -51dBm at MCS9</li> </ul>
<b>Modulation schemes</b>	<ul style="list-style-type: none"> <li>802.11b: DSSS/BPSK/QPSK/CCK</li> <li>802.11g: OFDM/DSSS/BPSK/QPSK/CCK</li> <li>802.11n: BPSK/QPSK/16 QAM/64 QAM/DBPSK/DQPSK/ CCK</li> <li>802.11ac: BPSK/QPSK/16 QAM/64 QAM/256 QAM</li> </ul>

Physical Parameters	
<b>Dimensions (L x W x H)</b>	<ul style="list-style-type: none"> <li>170 x 80 x 180 mm (6.7 x 3.2 x 7.1 in)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>400 g (0.88 lb)</li> </ul>

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

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