

## Product Highlights

### 802.11N

High connection rate  
(up to 300Mbps)  
and superior wireless range

### USB PORT

Support of USB modem for  
Internet connection via  
4G/3G/2G network, USB  
storage, and printer

### IPV6 SUPPORT

All needed functions  
for up-to-date networking



## DIR-620

### Wireless N300 Router with 3G/CDMA/LTE Support and USB Port

#### USB Port

The router is equipped with a USB port for connecting a USB modem, which can be used to establish connection to the Internet. In addition, to the USB port of the router you can connect a USB storage device, which will be used as a network drive, or a printer.

#### Wireless Interface

Using the DIR-620 device, you are able to quickly create a wireless network at home or in your office, which lets your relatives or employees connect to your wireless network virtually anywhere (within the operational range of your wireless network). The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n (at the rate up to 300Mbps).

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

#### 4-port Switch

The built-in 4-port switch enables you to connect Ethernet-enabled computers, game consoles, and other devices to your network.

#### Security

The wireless router DIR-620 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.

#### Easy configuration and update

You can configure the settings of the wireless router DIR-620 via the user-friendly web-based interface (the interface is available in several languages).

Now 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>Interfaces</b>	<ul style="list-style-type: none"> <li>· 10/100BASE-TX WAN port</li> <li>· 4 10/100BASE-TX LAN ports</li> <li>· USB 2.0 port</li> </ul>
<b>LEDs</b>	<ul style="list-style-type: none"> <li>· POWER</li> <li>· WPS</li> <li>· INTERNET</li> <li>· WLAN</li> <li>· 4 LAN LEDs</li> <li>· USB</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 secure wireless connection</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>· Two internal antennas (3.75dBi 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>· 3G</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</li> <li>· PPTP/L2TP + Static IP</li> <li>· PPTP/L2TP + Dynamic IP</li> </ul>
<b>Actual data transfer rate<sup>1</sup></b>	<ul style="list-style-type: none"> <li>· IPoE, downstream/upstream data: 94.4/94.3Mbps</li> <li>· PPPoE, downstream/upstream data: 93.5/90.3Mbps</li> <li>· PPTP, downstream/upstream data: 91.5/92.0Mbps</li> <li>· L2TP, downstream/upstream data: 90.9/90.8Mbps</li> </ul>
<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>· DHCPv6 server (Stateful/Stateless), IPv6 prefix delegation</li> <li>· DNS relay</li> <li>· Support of DNSv6 AAAA records</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</li> <li>· Support of RTSP</li> <li>· Channel reservation</li> </ul>

<sup>1</sup> For the current firmware version.

<b>Firewall functions</b>	<ul style="list-style-type: none"> <li>· Network Address Translation (NAT)</li> <li>· Stateful Packet Inspection (SPI)</li> <li>· IP filters</li> <li>· IPv6 filters</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> <li>· VPN tunnels (PPTP, L2TP)</li> <li>· IPSec tunnels</li> </ul>
<b>USB interface functions</b>	<ul style="list-style-type: none"> <li>· USB modem Auto connection to available type of supported network (4G/3G/2G)<sup>2</sup> Enabling/disabling PIN code check, changing PIN code<sup>3</sup></li> <li>· USB storage File browser Print server Access to storage via accounts Built-in Samba server Built-in FTP server Built-in DLNA server Built-in Transmission torrent client; uploading/downloading files from/to USB storage</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 remote logging</li> <li>· Automatic synchronization of system time with NTP server and manual time/date setup</li> <li>· Ping function</li> <li>· Traceroute utility</li> <li>· TR-069 client</li> </ul>

<b>Wireless Module Parameters</b>	
<b>Standards</b>	<ul style="list-style-type: none"> <li>· IEEE 802.11b/g/n</li> </ul>
<b>Frequency range</b>	<ul style="list-style-type: none"> <li>· 2400 ~ 2483.5MHz</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>· Support of client mode</li> <li>· WMM (Wi-Fi QoS)</li> <li>· Managing connected stations</li> <li>· Advanced settings</li> </ul>
<b>Wireless connection rate</b>	<ul style="list-style-type: none"> <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: from 6.5 to 300Mbps (from MCS0 to MCS15)</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 (typical at room temperature 25 °C) 17dBm (+/-1dB) at 1, 2, 5.5, 11Mbps</li> <li>· 802.11g (typical at room temperature 25 °C) 16dBm (+/-1dB) at 6, 9Mbps 15dBm (+/-1dB) at 12, 18, 24, 36Mbps 14dBm (+/-1dB) at 48, 54Mbps</li> </ul>

<sup>2</sup> For LTE and GSM USB modems.

<sup>3</sup> For GSM USB modems only.

	<ul style="list-style-type: none"> <li>802.11n (typical at room temperature 25 °C) HT20 14dBm (+/-1dB) at MCS0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15 HT40 13dBm (+/-1dB) at MCS0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15</li> </ul>
<b>Receiver sensitivity</b>	<ul style="list-style-type: none"> <li>802.11b (typical at PER = 8% (1000-byte PDUs) at room temperature 25 °C) -84dBm at 1Mbps -84dBm at 2Mbps -82dBm at 5.5Mbps -79dBm at 11Mbps</li> <li>802.11g (typical at PER = 10% (1000-byte PDUs) at room temperature 25 °C) -82dBm at 6Mbps -81dBm at 9Mbps -79dBm at 12Mbps -77dBm at 18Mbps -74dBm at 24Mbps -70dBm at 36Mbps -66dBm at 48Mbps -65dBm at 54Mbps</li> <li>802.11n (typical at PER = 10% (1000-byte PDUs)) 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 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</li> </ul>
<b>Modulation schemes</b>	<ul style="list-style-type: none"> <li>802.11b: DQPSK, DBPSK, DSSS, CCK</li> <li>802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM</li> <li>802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM</li> </ul>

<b>Physical Parameters</b>	
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>160 x 103 x 56.5 mm (6.3 x 4.1 x 2.2 in)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>188 g (0.4 lb)</li> </ul>

<b>Operating Environment</b>	
<b>Power</b>	<ul style="list-style-type: none"> <li>Output: 12V DC, 1A</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating: from 0 to 40 °C</li> <li>Storage: from -20 to 65 °C</li> </ul>
<b>Humidity</b>	<ul style="list-style-type: none"> <li>Operating: from 10% to 90% (non-condensing)</li> <li>Storage: from 5% to 95% (non-condensing)</li> </ul>

Supported USB modems <sup>4</sup>	
<b>GSM</b>	<ul style="list-style-type: none"> <li>· Alcatel X500</li> <li>· D-Link DWM-152C1</li> <li>· D-Link DWM-156A6</li> <li>· D-Link DWM-156A7</li> <li>· D-Link DWM-156C1</li> <li>· D-Link DWM-157B1</li> <li>· D-Link DWM-157B1 (Velcom)</li> <li>· D-Link DWM-158D1</li> <li>· Huawei E150</li> <li>· Huawei E1550</li> <li>· Huawei E156G</li> <li>· Huawei E160G</li> <li>· Huawei E169G</li> <li>· Huawei E171</li> <li>· Huawei E173 (Megafon)</li> <li>· Huawei E220</li> <li>· Huawei E352 (Megafon)</li> <li>· Huawei E367 (3G mode)</li> <li>· Huawei E392 (3G mode)</li> <li>· ZTE MF112</li> <li>· ZTE MF192</li> <li>· ZTE MF626</li> <li>· ZTE MF627</li> <li>· ZTE MF652</li> <li>· ZTE MF667</li> <li>· ZTE MF668</li> <li>· ZTE MF752</li> </ul>
<b>CDMA</b>	<ul style="list-style-type: none"> <li>· Airplus MCD-650</li> <li>· Airplus MCD-800</li> <li>· AnyDATA ADU-300A</li> <li>· AnyDATA ADU-500A</li> <li>· AnyDATA ADU-510A</li> <li>· Huawei EC306</li> <li>· ZTE AC5710</li> <li>· ZTE AC5730</li> </ul>
<b>LTE</b>	<ul style="list-style-type: none"> <li>· Huawei E3131</li> <li>· Huawei E3272</li> <li>· Huawei E3351</li> <li>· Huawei E367</li> <li>· Huawei E392</li> <li>· Megafon M100-1</li> <li>· Megafon M100-3</li> <li>· Megafon M100-4</li> <li>· Megafon M150-1</li> <li>· MTS 824F</li> <li>· Yota LU-150</li> <li>· Yota WLTUBA-107</li> <li>· ZTE MF823</li> <li>· ZTE MF827</li> </ul>

*Specifications are subject to change without notice.  
D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners.*

<sup>4</sup> The manufacturer does not guarantee proper operation of the router with every modification of the firmware of USB modems.