D-Link®
Building Networks for People

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 and prevent unwanted intrusions to your network.

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

Interfaces	· 10/100BASE-TX WAN port · 4 10/100BASE-TX LAN ports · USB 2.0 port
LEDs	· POWER · WPS · INTERNET · WLAN · 4 LAN LEDs · USB
Buttons	· ON/OFF button to power on/power off · RESET button to restore factory default settings · WPS button to set up secure wireless connection
Antenna	· Two internal omnidirectional antennas (2dBi gain)
MIMO	· 2 x 2
Power connector	· Power input connector (DC)

Software

WAN connection types	· LTE · 3G · PPPoE · Static IP / Dynamic IP · PPTP/L2TP + Static IP · PPTP/L2TP + Dynamic IP
Network functions	· DHCP server/relay · DNS relay · Dynamic DNS · Static IP routing · IGMP Proxy · RIP · Support of UPnP IGD · Support of VLAN · WAN ping respond · Support of SIP · Support of RTSP
Firewall functions	· Network Address Translation (NAT) · Stateful Packet Inspection (SPI) · IP filters · MAC filter · DMZ · Prevention of ARP and DDoS attacks · Virtual servers
VPN	· IPSec/PPTP/L2TP/PPPoE pass-through
USB interface functions	· USB modem[1] Auto connection to available type of supported network (3G/2G) Enabling/disabling PIN code check, changing PIN code · 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

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1   For GSM USB modems only.

Software	
Management	· Local and remote access to settings through TELNET/WEB (HTTP) · Multilingual web-based interface for configuration and management · Firmware update via web-based interface · Automatic notification on new firmware version · Saving/restoring configuration to/from file · Support of remote logging · Automatic synchronization of system time with NTP server and manual time/date setup · Ping function · Traceroute utility · TR-069 client

Wireless Module Parameters	
Standards	· IEEE 802.11b/g/n
Frequency range	· 2400 ~ 2483.5MHz
Wireless connection security	· WEP · WPA/WPA2 (Personal/Enterprise) · MAC filter · WPS (PBC/PIN)
Advanced functions	· WMM (Wi-Fi QoS) · Advanced settings
Wireless connection rate	· IEEE 802.11b: 1, 2, 5.5, and 11Mbps · IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps · IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)

Transmitter output power
 	
The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country
	· 802.11b (typical at room temperature 25 °C)
	  17dBm (+/-1dB) at 1, 2, 5.5, 11Mbps
	
	· 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
	
	· 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

Wireless Module Parameters

Receiver sensitivity	· 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 · 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 · 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
Modulation schemes	· 802.11b: DQPSK, DBPSK, DSSS, CCK · 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM · 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM

Physical Parameters

Dimensions	· 160 x 103 x 56.5 mm (6.3 x 4.1 x 2.2 in)
Weight	· 188 g (0.4 lb)

Operating Environment

Power	· Output: 12V DC, 1A
Temperature	· Operating: from 0 to 40 °C · Storage: from -20 to 65 °C
Humidity	· Operating: from 10% to 90% (non-condensing) · Storage: from 5% to 95% (non-condensing)

Delivery Package

- Router DIR-620
- Power adapter DC 12V/1A
- Ethernet cable (CAT 5E)
- "Quick Installation Guide" (brochure)

Supported USB modems[2]	
GSM	· Alcatel X500 · D-Link DWM-152C1 · D-Link DWM-156A6 · D-Link DWM-156A7 · D-Link DWM-156C1 · D-Link DWM-157B1 · D-Link DWM-157B1 (Velcom) · D-Link DWM-158D1 · Huawei E150 · Huawei E1550 · Huawei E156G · Huawei E160G · Huawei E169G · Huawei E171 · Huawei E173 (Megafon) · Huawei E220 · Huawei E352 (Megafon) · Huawei E367 (3G mode) · Huawei E392 (3G mode) · ZTE MF112 · ZTE MF192 · ZTE MF626 · ZTE MF627 · ZTE MF652 · ZTE MF668 · ZTE MF752
CDMA	· Airplus MCD-650 · Airplus MCD-800 · AnyDATA ADU-300A · AnyDATA ADU-500A · AnyDATA ADU-510A · Huawei EC306 · ZTE AC5710 · ZTE AC5730
LTE	· Huawei E367 · Huawei E392 · Megafon M150-1 · Yota LU-150 · Yota WLTUBA-107
WiMAX	· Samsung SWC-U200 (firmware version: *u200_rev1-2.7.40-CI14*)

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2   The manufacturer does not guarantee proper operation of the router with every modification of the firmware of USB modems.