D-Link®
Building Networks for People

POWER WPS INTERNET WLAN LAN1 LAN2 LAN3 LAN4 USB DIR-620

D-Link

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.

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.

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	
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 and enable/disable wireless network
Antenna	· Two internal omnidirectional antennas (2.5dBi gain)
Power connector	· Power input connector (DC)

Software	
WAN connection types	· LTE · 3G · PPPoE · IPv6 PPPoE · PPPoE Dual Stack · Static IP / Dynamic IP · Static IPv6 / Dynamic IPv6 · PPPoE + Static IP · PPPoE + Dynamic IP · PPTP/L2TP · PPTP/L2TP + Static IP · PPTP/L2TP + Dynamic IP
Network functions	· Support of IEEE 802.1X for Internet connection · DHCP server/relay · DHCPv6 server (Stateful/Stateless), IPv6 prefix delegation · DNS relay · Support of DNSv6 AAAA records · Dynamic DNS · Static IP routing · Static IPv6 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 · IPv6 filters · MAC filter · URL filter · DMZ · Prevention of ARP and DDoS attacks · Virtual servers · Built-in Yandex.DNS web content filtering service
VPN	· IPSec/PPTP/L2TP/PPPoE pass-through · VPN tunnels (PPPoE, PPTP, L2TP) · IPSec tunnels

USB interface functions	· USB modem Auto connection to available type of supported network (4G/3G/2G)[1] Enabling/disabling PIN code check, changing PIN code[2] · 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
Management	· Local and remote access to settings through TELNET/WEB (HTTP/HTTPS) · Multilingual web-based interface for configuration and management · 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 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	· Support of client mode · WMM (Wi-Fi QoS) · Managing connected stations · 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 (+/-1.5dB) at 1, 2, 5.5, 11Mbps · 802.11g (typical at room temperature 25 °C) 14dBm (+/-1.5dB) at 6, 9, 12, 18, 24, 36, 48, 54Mbps · 802.11n (typical at room temperature 25 °C) HT20 14dBm (+/-1.5dB) at MCS0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15 HT40 14dBm (+/-1dB) at MCS0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15
Receiver sensitivity	· 802.11b (typical at PER = 8% (1000-byte PDUs) at room temperature 25 °C) -84dBm (+/-1.5dB) at 1Mbps -82dBm (+/-1.5dB) at 2Mbps -80dBm (+/-1.5dB) at 5.5Mbps -78dBm (+/-1.5dB) at 11Mbps · 802.11g (typical at PER = 10% (1000-byte PDUs) at room temperature 25 °C) -84dBm (+/-1.5dB) at 6Mbps -83dBm (+/-1.5dB) at 9Mbps -81dBm (+/-1.5dB) at 12Mbps -79dBm (+/-1.5dB) at 18Mbps -76dBm (+/-1.5dB) at 24Mbps

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1   For LTE and GSM USB modems.
2   For GSM USB modems only.

	-72dBm (+/-1.5dB) at 36Mbps -68dBm (+/-1.5dB) at 48Mbps -67dBm (+/-1.5dB) at 54Mbps · 802.11n (typical at PER = 10% (1000-byte PDUs)) HT20 -84dBm (+/-1dB) at MCS0/8 -81dBm (+/-1dB) at MCS1/9 -79dBm (+/-1dB) at MCS2/10 -76dBm (+/-1dB) at MCS3/11 -72dBm (+/-1dB) at MCS4/12 -68dBm (+/-1dB) at MCS5/13 -67dBm (+/-1dB) at MCS6/14 -66dBm (+/-1dB) at MCS7/15 HT40 -81dBm (+/-1dB) at MCS0/8 -78dBm (+/-1dB) at MCS1/9 -76dBm (+/-1dB) at MCS2/10 -73dBm (+/-1dB) at MCS3/11 -69dBm (+/-1dB) at MCS4/12 -65dBm (+/-1dB) at MCS5/13 -64dBm (+/-1dB) at MCS6/14 -63dBm (+/-1dB) 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 120 x 59 mm (6.3 x 4.7 x 2.3 in)
Weight	· 200 g (0.44 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)

Supported USB modems[3]

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

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

	· ZTE MF192 · ZTE MF626 · ZTE MF627 · ZTE MF652 · ZTE MF667 · 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 E3131 · Huawei E3272 · Huawei E367 · Huawei E392 · Megafon M100-1 · Megafon M100-3 · Megafon M100-4 · Megafon M150-1 · MTS 824F · Yota LU-150 · Yota WLTUBA-107 · ZTE MF823 · ZTE MF827