D-Link
Building Networks for People

DIR-615

Product Highlights

802.11N
High connection rate (up to 300Mbps) and superior wireless range

SECURITY
Multiple firewall functions, several security standards for wireless connection

IPV6 SUPPORT
All needed functions for up-to-date networking

Wireless N300 Router

Wireless Interface
Using the DIR-615 device, you are able to quickly create a 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). 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).

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.[1]

Advanced Capabilities of Wireless Network
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.

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

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1   Only for DIR-615S.

Security

The wireless router DIR-615 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 DIR-615 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 DIR-615 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 DIR-615 supports configuration and management via mobile application for Android and iPhone 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.

Specifications

	DIR-615/T4	DIR-615S
Hardware		
Processor	RTL8196E (400MHz)	RTL8196D (620MHz)
RAM	32MB	
Flash	4MB	
Interfaces	10/100BASE-TX WAN port 4 10/100BASE-TX LAN ports	
LEDs	POWER WLAN/WPS INTERNET	POWER WLAN WPS INTERNET 4 LAN LEDs
Buttons	–	ON/OFF button to power on/power off
	WPS/RESET button to set up wireless connection and restore factory default settings	RESET button to restore factory default settings
		WPS button to set up wireless connection and enable/disable wireless network
Antenna	Two non-detachable omnidirectional antennas (5dBi gain)	
MIMO	2 x 2	
Power connector	Power input connector (DC)	
Software		
WAN connection types		
PPPoE	+	+
IPv6 PPPoE	+	+
PPPoE Dual Stack	+	+
Static IPv4 / Dynamic IPv4	+	+
Static IPv6 / Dynamic IPv6	+	+
PPPoE + Static IP / Dynamic IP (PPPoE Dual Access)	+	+
PPTP/L2TP + Static IP	+	+
PPTP/L2TP + Dynamic IP	+	+

	DIR-615/T4	DIR-615S
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 Proxy	+	+
RIP	+	−
Support of UPnP IGD	+	+
Support of VLAN	+	+
WAN ping respond	+	+
Support of SIP ALG	+	+
Support of RTSP	+	+
WAN reservation	+	+
Autonegotiation of speed, duplex mode, and flow control / Manual speed and duplex mode setup for each Ethernet port	+	+
Setup of maximum TX rate for each port of the router	+	+
Built-in UDPXY application	+	+
Firewall functions		
Network Address Translation (NAT)	+	+
Stateful Packet Inspection (SPI)	+	+
IPv4/IPv6 filter	+	+
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	+	+

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DIR-615   Wireless N300 Router

	DIR-615/T4	DIR-615S
Management and monitoring		
Local and remote access to settings	TELNET/WEB (HTTPS, HTTP)	
Bilingual web-based interface for configuration and management (Russian/English)	+	+
Support of D-Link Assistant application for Android and iPhone 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	+	+
Wireless Module Parameters		
Standards	IEEE 802.11b/g/n	
Frequency range The frequency range depends upon the radio frequency regulations applied in your country	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)	+	+
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	+	+

	DIR-615/T4	DIR-615S
Autonegotiation of channel bandwidth in accordance with environment conditions (20/40 Coexistence)	+	+
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	15dBm at 1, 2, 5.5, 11Mbps	
802.11g	15dBm at 6, 9, 12, 18, 24, 36, 48, 54Mbps	
802.11n	HT20/HT40 15dBm at MCS0/1/2/3/4/5/6/8/9/10/11/12/13/14 14dBm at MCS7/15	
Receiver sensitivity		
802.11b	-95dBm at 1Mbps -93dBm at 2Mbps -90dBm at 5.5Mbps -87dBm at 11Mbps	-82dBm at 1Mbps -80dBm at 2Mbps -78dBm at 5.5Mbps -76dBm at 11Mbps
802.11g	-91dBm at 6Mbps -90dBm at 9Mbps -88dBm at 12Mbps -86dBm at 18Mbps -83dBm at 24Mbps -80dBm at 36Mbps -75dBm at 48Mbps -74dBm at 54Mbps	-85dBm at 6Mbps -84dBm at 9Mbps -82dBm at 12Mbps -80dBm at 18Mbps -77dBm at 24Mbps -73dBm at 36Mbps -69dBm at 48Mbps -68dBm at 54Mbps
802.11n	HT20 -90dBm at MCS0/8 -87dBm at MCS1/9 -85dBm at MCS2/10 -82dBm at MCS3/11 -79dBm at MCS4/12 -74dBm at MCS5/13 -72dBm at MCS6/14 -70dBm at MCS7/15 HT40 -87dBm at MCS0/8 -84dBm at MCS1/9 -81dBm at MCS2/10 -78dBm at MCS3/11 -75dBm at MCS4/12 -70dBm at MCS5/13 -69dBm at MCS6/14 -67dBm at MCS7/15	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	

	DIR-615/T4	DIR-615S
Physical Parameters		
Dimensions	174 x 129 x 33 mm (6.8 x 5.1 x 1.3 in)	174 x 115 x 30 mm (6.8 x 4.5 x 1.2 in)
Weight	215 g (0.47 lb)	226 g (0.5 lb)
Operating Environment		
Power	Output: 12V DC, 0.5A	
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 Power adapter DC 12V/0.5A Ethernet cable[2] "Quick Installation Guide" (brochure)	Router Power adapter DC 12V/0.5A Ethernet cable "Quick Installation Guide" (brochure)

D-Link Russia
Web: http://www.dlink.ru

2   Only for DIR-615/T4B and DIR-615/T4D.

Ordering Information

DIR-615/T4   Wireless N300 Router

DIR-615S   Wireless N300 Router