Operation Description

The Wireless 150N USB Adapter is an high-speed adapter that allows you to connect your notebook or desktop PC to wireless networks at faster speeds than ever before. Now you can transfer or receive digital images, videos and MP3 files faster than ever, connecting to the wireless network with link speeds of up to 150 Mbps using the latest in wireless technology. This adapter is also compatible with 802.11b and 802.11g wireless access points and wireless routers, giving you the flexibility to start upgrading your wireless network without the need to replace your existing equipment.

Features:
- Complies with IEEE 802.11b/g and is upward compatible with 802.11n
- High transfer data rate – up to 150 Mbps
- Supports WMM (Wi-Fi Multimedia) for increased multimedia data throughput
- Supports WEP (64/128 bit), WPA and WPA2 data encryption
- Supports Cisco CCX
- Supports the most popular operating systems: Windows XP, Vista and Windows 7
- Supports Hi-Speed USB 2.0/1.1 interface
- Supports Software AP function (turns your wireless client into a wireless access point)
- Extremely compact design

Specifications:

Standards	» IEEE 802.11b (11 Mbps Wireless LAN) » IEEE 802.11g (54 Mbps Wireless LAN) » IEEE 802.11e (QoS Enhancement WMM) » Upward compatible to IEEE 802.11n (150 Mbps Wireless LAN)

General	- Interface: Hi-Speed USB 2.0
	- Chipset: Realtek RTL8188SU
	- Frequency band: 2.4000 – 2.483 GHz (Industrial Scientific Medical Band)
	- Modulation technologies:
	  - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
	  - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
	  - 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
	- Security:
	  - 64/128-bit WEP data encryption
	  - WPA and WPA2
	  - Cisco CCX

LEDs	Link/Activity
Environmental	• Operating temperature: 0 – 40°C (32 – 104°F) • Operating humidity: 10 – 90% RH, non-condensing • Storage temperature: -20 – 60°C (-4 – 149°F)

Block Diagram