

Order Information: WUB1920RS

Wireless-N (draft 2.0 compliance) 2T2R USB 2.0 Range Extender



Features

- Compact size for greater flexibility
- Also compatible with USB 1.1 desktop and notebook computers
- Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP (32/64bit), Vista
- Security : WEP 64/128 bits TKIP/802.11i compliant AES –CCMP encryption WPA-PSK, WPA2-PSK, 802.1x, EAP-TLS, EAP-TTLS, PEAP-TL, PEAP(EAP-GTC), PEAP(EAP-MSCHAPv2), WPS
- Support WPA/WPA2-Personal, WPA/WPA2-Enterprise
- QoS :WMM
- Support Hardware and Software Auto Push Button
- Support 802.11 d
- Support WHQL
- Support Set Wizard to do quickly configuration
- RTS & Fragment Threshold support
- Software AP function support

Advance Feature

- Roaming
- Japan Mid Band
- WoW and Dual Core support
- 802.11b/g adhoc



LanReady Technologies Inc.

3F., No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan
 Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 <http://www.lanready.com>

Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand

[WUB1920RS] Electrical Specifications	
Interface	USB 2.0 Standard, USB 1.1 Compliant
Standards Conformance	IEEE802.11 / 802.11b / 802.11g/802.11n (draft 2.0 compliance) ARIB STD-T66 compliant IEEE802.11 d, e,h,i,j
Data Transfer Rate	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing) IEEE802.11n (draft 2.0 compliance) : 300Mbps (TX) /300MBps (RX)
Access Method	Infrastructure Mode, Ad-Hoc Mode (802.11 Ad-Hoc), Roaming
Security	WEP,TKIP,AES-CCMP,WPA-PSK,WPA2-PSK,802.1x, EAP-TLS,EAP-TTLS,PEAP(EAP-GTC),PEAP(EAP-MSCHAPv2), WPS
Quality of Service (QOS)	802.11e , WMM
Software AP for XP, Vista	Power Saving ,WMM Hardware –WEP (64 and 128 bit) /WPA/WPA2 MAC address filter(Access or Reject list) Support ICS setting on-Win XP, Vista
International Regulation	802.11d
Frequency Range	IEEE802.11b : 2.4 to 2.497GHz IEEE802.11g : 2.4 to 2.4835GHz IEEE802.11n (draft compliance) : 2.4GHz
Wireless Medium	OFDM & DSSS (with Barker coding and CCK for backward compatibility with 802.11b)
Media Access Protocol	CSMA / CA
Bandwidth	20MHz / 40MHz
Modulation Method	IEEE802.11b : DBPSK (1Mbps), DQPSK (2Mbps), CCK (5.5/11Mbps) IEEE802.11g : BPSK (6/9Mbps), QPSK (12/18Mbps), 16-QAM (24/36Mbps), 64QAM (48/54Mbps) IEEE802.11n (draft 2.0 compliance)
Operating Channels	1~11 (U.S. & Canada), 1~13 (channel availability depends on local regulations), 1~14 (Japan)
Transmit Power Settings	<u>IEEE802.11b mode :</u> 1Mbps~11Mbps : 18dBm Max. <u>IEEE802.11g mode :</u> 2Mbps~12Mbps : 18dBm Max. 18Mbps~36Mbps : 16dBm Max. 48Mbps~54Mbps : 15dBm Max. <u>IEEE802.11n(draft N) mode :</u> MCS-0/8~MCS-3/11 : 18dBm Max. MCS-4/12~MCS-5/13 : 15dBm Max. MCS-6/14~MCS-7/15 : 13dBm Max.
Receiver Sensitivity	<u>IEEE802.11b mode :</u>



LanReady Technologies Inc.

3F., No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan
 Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 <http://www.lanready.com>

Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand

	1 Mbps : -83dBm 2 Mbps : -80dBm 5.5 Mbps : -79dBm 11 Mbps : -76dBm <u>IEEE802.11b mode :</u> 6 Mbps : -82dBm 9 Mbps : -81dBm 12 Mbps : -79dBm 18 Mbps : -77dBm 24 Mbps : -74dBm 36 Mbps : -70dBm 48 Mbps : -66dBm 54 Mbps : -65dBm <u>IEEE802.11n(draft N) mode :</u> <u>Bandwidth : 20 MHz</u> MCS-0/8 : -82dBm MCS-1/9 : -79dBm MCS-2/10 : -77dBm MCS-3/11 : -74dBm MCS-4/12 : -70dBm MCS-5/13 : -66dBm MCS-6/14 : -65dBm MCS-7/15 : -64dBm <u>IEEE802.11n(draft N) mode :</u> <u>Bandwidth : 40 MHz</u> MCS-0/8 : -79dBm MCS-1/9 : -77dBm MCS-2/10 : -74dBm MCS-3/11 : -71dBm MCS-4/12 : -67dBm MCS-5/13 : -63dBm MCS-6/14 : -62dBm MCS-7/15 : -61dBm
Internal Antenna Type	Built-in 2 Print Antenna
LED Indicators	Power / Link
Power Consumption	-Power Save mode = 120mA -Standby mode = 10mA -Transmit mode = 420mA -Receive Mode = 260mA
Operating systems	Windows Vista 64/32, Windows XP 64/32, Window 2000 MAC OS 10.4/10.5
Environmental & Mechanical Characteristics	



LanReady Technologies Inc.

3F., No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan
Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 <http://www.lanready.com>

Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand

Operating Temperature	32 °F ~ 131 °F (0 °C ~ 55 °C)
Storage Temperature	-13 °F ~ 158 °F (-20 °C ~ 70 °C)
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Dimension	8.5 * 2.3*1.1 (L *W*H) mm
Weight	15g
Certification	FCC part 15b , CE