

## 802.11n USB Dongle

*Powered by*  
 Arada Wireless Software Solution



### Platform Highlights

- Complies with 802.11a, 11b, 11g, and 11n draft 2.0
- Supports Windows Vista/XP/2000, and Linux
- Operation at 2.4 ~ 2.5GHz and 5.15 ~ 5.825GHz frequency band to meet worldwide regulations
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128 WEP for security
- Supports infrastructure networks via Access Point and ad-hoc network via peer-to-peer communication
- Supports AES , WPA and WPA2 enhanced security
- Friendly user configuration and diagnostic utilities
- Drivers support Windows 2K, XP and Vista
- High speed USB 2.0 interface
- Integrated antenna
- RoHS compliant

### Specifications

Standards	Data Rate
Wireless: IEEE 802.11a/b/g/n (1Tx2R) USB 2.0 standard	802.11b: 11 Mbps 802.11a/g: 54Mbps 802.11n: TX:150Mbps RX:300Mbps
Data Modulation Type	
IEEE 802.11b: (DSSS), 5.5/11 Mbps (CCK), 2 Mbps (DQPSK), 1 Mbps (DBPSK) IEEE 802.11a/g: (OFDM), 48/54 Mbps(QAM-64), 24/36 Mbps (QAM-16), 12/18 Mbps (QPSK), 6/9Mbps (BPSK) IEEE 802.11n: (OFDM) QAM-64, QAM-16,QPSK, BPSK	

<b>Output Power</b>	
11b: 17dbm @ 11Mbps 11g: 15dbm @ 54Mbps 11g/n: 18dBm @MCS7,HT20, 17dBm@MCS7,HT40 11a: 16dBm @ 54Mbps 11a/n: 13dBm @MCS7,HT20, 13dBm@MCS7,HT40	
<b>Sensitivity</b>	
11b: -85dBm@11Mbps 11g: -72dBm@54Mbps - 11g/n: -71dBm@HT20,MCS7, -66dBm@HT40,MCS7 11a: -72dBm@54Mbps 11a/n: -70dBm@HT20,MCS7, -66dBm@HT40,MCS7	
<b>Current Consumption</b>	
RX: 300mA TX:11b:730mA@11Mbps,25dBm, 11g:440mA@54Mbps,21dBm, 11g/n:400mA@65Mbps,18dBm 11a:380mA@54Mbps,16dBm, 11a/n:350mA@65Mbps,13dBm	
<b>Antenna</b>	
Integrated Antenna.	
<b>Host Interface</b>	
High Speed USB 2.0 Interface	
<b>Frequency Range</b>	
US, Canada : 2.412GHz~2.462 GHz (CH1~CH11) EU, Japan : 2.412GHz~2.472GHz (CH1~CH13) US, Canada : 5.15GHz~5.35GHz ; 5.725GHz~5.850GHz ; EU, Japan :5.15GHZ~5.35GHZ ;5.47GHZ~5.725GHZ	
<b>Software</b>	
Security	64/128-bit WEP Encryption, WPA, WPA2
Driver	Windows XP/2000/Vista, Linux
<b>Operating Voltage</b>	
DC 5V ± 10%	
<b>Temperature:</b>	<b>Humidity</b>
Operating: 0°C ~ +50°C	20% ~ 85% Non-Condensing
Storage : -10°C ~ +65°C	10% ~ 90% Non-Condensing
<b>LEDs</b>	
Link/ACT: ON/Solid→Associated with AP Blink→TX/RX and Site survey OFF→All other states.	
<b>Package Contents</b>	
802.11 a/b/g/n USB Dongle	CD-ROM (Driver, User Manual)
USB Y-Cable	