



# APM CO., LTD

## AAM-U2450abgn

### Clipper AbgN High Power USB Adapter

- Complies with 802.11a, 11b, 11g, and 11n draft2.0
- MIMO technology provides higher throughput and farther coverage
- External 5dBi Antenna
- Easy clip on NB

#### Features

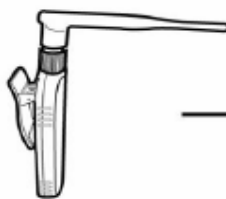
- Supports USB 2.0/1.1 interface
- 64/128-bit WEP Encryption, WPA, WPA2
- Operating system supports for:  
Windows 7 /2000/XP/Vista; Linux;MAC



#### Application:



**Easy  
Clip on NB**



#### Specifications

Standard	Wireless: IEEE 802.11a/b/g/n (1Tx2R) USB 2.0 standard
Chipset	Ralink 2770
Data Rate	802.11b: 11 Mbps 802.11a/g: 54Mbps 802.11n: TX:150Mbps RX:300Mbps



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Data Modulation Type	<p>EEE 802.11b: 5.5/11 Mbps (DQPSK-CCK), 2 Mbps (DQPSK-DSSS), 1 Mbps (DBPSK-DSSS)</p> <p>IEEE 802.11a/g: 48/54 Mbps(64-QAM), 24/36 Mbps (16-QAM), 12/18 Mbps (QPSK), 6/9Mbps (BPSK)</p> <p>IEEE 802.11n: (OFDM) 64-QAM, 16-QAM-16,QPSK, BPSK</p>
Output Power	<p>11b: 25dbm+/- 1.5dbm @ 11Mbps</p> <p>11g: 21dbm+/- 1.5dbm @ 54Mbps</p> <p>11a: 16dBm +/- 1.5dbm @ 54Mbps</p> <p>11g/n: 18dBm +/- 1.5dbm @ MCS7, HT20, 17dBm +/- 1.5dbm @ MCS7, HT40</p> <p>11a/n: 13dBm +/- 1.5dbm @ MCS7,HT20, 13dBm +/- 1.5dbm @ MCS7,HT40</p>
Sensitivity	<p>11b: -87dBm@11Mbps</p> <p>11g: -74dBm@54Mbps</p> <p>11a: -74dBm@54Mbps</p> <p>11g/n: -71dBm@HT20,MCS7, -66dBm@HT40,MCS7</p> <p>11a/n: -70dBm@HT20,MCS7, -66dBm@HT40,MCS7</p>
Current Consumption	<p>RX: 300mA</p> <p>TX:11b: 730mA@11Mbps,25dBm</p> <p>11g: 440mA@54Mbps,21dBm</p> <p>11a: 380mA@54Mbps,16dBm</p> <p>11g/n: 400mA@65Mbps,18dBm</p> <p>11a/n: 350mA@65Mbps,13dBm</p>
Antenna	External 5dBi Antenna and one on-board antenna.
Host Interface	USB2.0 Mini USB
Frequency Range	<p>US, Canada : 2.412GHz~2.462 GHz (CH1~CH11)</p> <p>EU, Japan : 2.412GHz~2.472GHz (CH1~CH13)</p> <p>US, Canada : 5.15GHz~5.35GHz ; 5.725GHz~5.850GHz</p> <p>EU, Japan :5.15GHZ~5.35GHZ ;5.47GHZ~5.725GHZ</p>
Sercuity	64/128-bit WEP Encryption, WPA, WPA2
Driver	Windows 7 / 2000 / XP/ Vista; Linux; MAC
Operating Voltage	DC 5V ± 5%
Temperature	Operating: 0°C ~ +50°C      Storage : -10°C ~ +65°C
Humidity	20% ~ 85% Non-Condensing      10% ~ 90% Non-Condensing