



802.11 compatible **b g n**



One Touch
Encryption Button

HIGH POWER WIRELESS N USB ADAPTER

USB
2.0

150
Mbps

500
mW

WPS
Wireless
Encryption

- Long distance coverage (500mW hardware)
- USB 2.0 Plug and Play
- Supports Windows XP/Vista/7/Linux
- Supports WEP 64/128, WPA/WPA2

K-500MWUN



Interface: USB 2.0 Standard, USB 1.1 Compliant

Standards Conformance: IEEE802.11 802.11b / 802.11g / 802.11n compliant

Data Transfer Rate:

IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing)

IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing)

Wireless n : 150Mbps (TX) /150Mbps (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

Hardware –WEP (64 and 128 bit) /WPA/WPA2

Frequency Range:

IEEE802.11b : 2.4 to 2.497GHz

IEEE802.11g : 2.4 to 2.4835GHz

IEEE802.11n (draft compliance) : 2.4GHz

Media Access Protocol:

CSMA / CA

Bandwidth 20MHz / 40MHz

Modulation Method:

DSSS with CCK,DQPSK,DBPSK

OFDM with BPSK,QPSK,16QAM,64QAM

Operating Channels

1~11 (U.S. & Canada),

1~13 (channel availability depends on local regulations),

1~14 (Japan)

External Antenna Type: SMA R/P connector

LED Indicators: Power / Link

Operating systems: Windows Vista 64/32,

Windows XP 64/32, Window 2000

Windows 7 and Linux

Operating Temperature: 0 °C ~ 55 °C

Storage Temperature:-20 °C ~ 70 °C

Operating Humidity: 10% to 80% Non-Condensing

Storage Humidity: 5% to 90% Non-Condensing

Dimensions: 33 x 15 x 7mm (L x W x H)

Transmit Power Settings:

IEEE 802.11b mode:

1Mbps 26±1dBm@600mA(max.)

2Mbps 25±1dBm@550mA(max.)

5.5Mbps 23.5±1dBm@500mA(max.)

11Mbps 22.5±1dBm@470mA(max.)

IEEE 802.11g mode:

6Mbps 23.5±1dBm@500mA(max.)

9Mbps 22.5±1dBm@480mA(max.)

12Mbps 22±1dBm@460mA(max.)

18Mbps 21.5±1dBm@440mA(max.)

24Mbps 20.5±1dBm@420mA(max.)

36Mbps 19.5±1dBm@400mA(max.)

48Mbps 18.5±1dBm@390mA(max.)

54Mbps 17.5±1dBm@380mA(max.)

IEEE 802.11 n mode:

11n-HT Mode 20MHz :

MCS0 21.5±1dBm@470mA(max.)

MCS1 20.5±1dBm@450mA(max.)

MCS2 19.5±1dBm@430mA(max.)

MCS3 18.5±1dBm@390mA(max.)

MCS4 17.5±1dBm@380mA(max.)

MCS5 16.5±1dBm@370mA(max.)

MCS6 15.5±1dBm@360mA(max.)

MCS7 14.5±1dBm@350mA(max.)

11n-HT Mode 40MHz :

MCS0 20.5±1dBm@480mA(max.)

MCS1 19.5±1dBm@460mA(max.)

MCS2 18.5±1dBm@440mA(max.)

MCS3 17.5±1dBm@420mA(max.)

MCS4 16.5±1dBm@400mA(max.)

MCS5 15.5±1dBm@380mA(max.)

MCS6 14.5±1dBm@37mA(max.)

MCS7 13.5±1dBm@360mA(max.)

Receiver Sensitivity

IEEE 802.11b mode :

1Mbps : -95dBm

2Mbps : -93 dBm

5.5Mbps : -90dBm

11Mbps : -86dBm

IEEE 802.11g mode :

6Mbps : -86dBm

9Mbps : -84dBm

12Mbps : -82dBm

18Mbps : -80dBm

24Mbps : -78dBm

36Mbps : -76dBm

48Mbps : -74dBm

54Mbps : -72dBm

IEEE 802.11 n mode :

11n-HT Mode 20MHz :

MCS0 : -86dBm

MCS1 : -84dBm

MCS2 : -82dBm

MCS3 : -80dBm

MCS4 : -77dBm

MCS5 : -73dBm

MCS6 : -70dBm

MCS7 : -68dBm

11n-HT Mode 40MHz :

MCS0 : -83dBm

MCS1 : -81dBm

MCS2 : -79dBm

MCS3 : -77dBm

MCS4 : -74dBm

MCS5 : -71dBm

MCS6 : -68dBm

MCS7 : -65dBm

For more information, please visit:

www.kozumi-usa.com

