

Wireless LAN mini card supports 802.11 b/g/n

MPX-8188



Features

- High speed wireless connection up to 150 Mbps for Wi-Fi
- 2 antennas to support 1(Transmit) x1(Receive) diversity technology
- Support WLAN TX/RX diversity function
- Low power consumption and high performance
- Enhance wireless security
- Support Mini card PCI-E 1.1 & 1.2 standard specification
- Support WOWL

Product Description

Host Interface	PCI-E
Major Chipset	Realtek RTL8188EE
Dimension	26.65mm x 29.85mm X3.05mm (Tolerance remark In mechanical drawing)
WiFi VID/PID	10EC / 8179
WiFi SVID/SSID	1A3B / 1D38
Weight	6g
Antenna	Standard U.FL connector 1: Ant1 : Wi-Fi TX/RX 2.:Ant2 : Wi-Fi TX/RX

Operating Conditions

Voltage	3.3V +/-5%
Temperature	0~70°C
Storage Temperature	-40~+85°C

Electrical Specifications

Frequency Range	2.4 GHz ISM Bands 2.412-2.472,2.484 GHz
Modulation	802.11 g/n:OFDM 802.11b:CCK(11,5.5Mbps), DQPSK(2Mbps), DBPSK(1Mbps)
Output Power	802.11b: 16dBm +/-1.5dBm(11Mbps) 802.11g: 14dBm +/-1.5dBm(54Mbps) 802.11n: 13dBm +/-1.5dBm(HT20 MCS7) 802.11n: 13dBm +/-1.5dBm(HT40 MCS7)
Receive Sensitivity	802.11b: less than -80dBm(11Mbps) 802.11g: less than -68dBm(54Mbps) 802.11n: less than -64dBm at HT20 MCS7 802.11n: less than -61dBm at HT40 MCS7
Operating Range	Wi-Fi: Open Space:~300M / Indoor:~100M (The transmission speed may vary according to the environment)
Regulatory	FCC,CE...Follow Realtek RTL8188EE worldwide regulatory

Ordering Code

MPX-8188	802.11 b/g/n wireless LAN mini Card without cable & Antenna	Art. No. 147977
MPX-8188A	802.11 b/g/n wireless LAN mini Card with 10cm cable & Antenna	Art. No. 147978
MPX-8188B	802.11 b/g/n wireless LAN mini Card with 22cm cable & Antenna	Art. No. 147979
MPX-8188C	802.11 b/g/n wireless LAN mini Card with 60cm cable & Antenna	Art. No. 147980