

# 150Mbps RTL8188 Chipset Wifi adapter with SMA connector

Model Number: FX-8188EA

## General Description:

FX-8188EA is a 802.11n compliant wireless USB Adapter that provides up to 4x faster wireless speeds and 3x better wireless reception over 802.11g products while staying backward compatible with 802.11g/b devices.

Wireless-N USB 2.0 Adapter allows you to connect your laptop or desktop to any Wireless-N networks in your home or office. The Wireless-N (802.11n) USB 2.0 Adapter is great for those who want to upgrade older computers to be able to access the internet over a Wireless-N network.

At 5 times faster than traditional Wireless-G (802.11b) networks, Wireless-N networks allow for high speed data transfers, online gaming, and lightning fast downloads. The Wireless-N USB 2.0 Adapter gives you access to all the high-speed features of Wireless-N networks on older and newer computers. Its simple and easy setup means you'll be surfing the internet, downloading movies, and e-mail in no time.

## Main Features:

1. 150Mbps wireless transmission rate
2. Provides two methods of operation: Infrastructure and Ad-Hoc
3. Quick Secure Setup, complies with WPS for worry free wireless security
4. Supports 64/128-bit WEP, complies with 128 bit WPA standard(TKIP/AES), supports MIC, IV Expansion, Shared Key Authentication, IEEE 802.1X
5. Supports Sony PSP for online game
6. Supports Windows XP/Vista /win7/win8,Linux,Mac OS
7. Seamlessly compatible with 802.11b/g/n devices
8. Equipped with an elegant and stylish USB Cradle for flexible deployment

# Specification

## Product

### Software Specification

Standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Chipset	Realtek 8188EUS/ETV
Wireless Speed	11n: Up to 150Mbps 11g: Up to 54Mbps 11b: Up to 11Mbps
Frequency Range	2.412-2.462GHz
Wireless Transmit Power	20dBm(MAX EIRP)
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Receiver Sensitivity (without Standards antenna)	130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER
Wireless Security	64/128 bits WEP WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Support Operating System	Windows XP/Vista/ Win7/Win8.1 /WIN10 /linux/Mac os
Work Mode	Ad-Hoc Infrastructure

### Hardware Specification

Interface	USB2.0 Hi-Speed connector
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10% ~ 90%, non-condensation
Storage Humidity	5%~90% non-condensing

### Antenna description:

The antenna adopts SMA thread interface, which can be used with the product and cannot be replaced.

The antenna gain is 12dBi.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.