Wi-Pi – WLAN module for the Raspberry Pi

OVERVIEW

Wi-Pi Overview

Wi-Pi is a high performance, cost effective WLAN USB module which connects the Raspberry Pi low cost computer, to a Wi-Fi local area network. Wi-Pi uses the latest 802.11n Wireless Technology, and can support data rates of up to 150 Mbps, compared with older 54 Mbps 11g products. It also benefits from a higher wireless LAN bandwidth, making data transmission more efficient.

Wi-Pi also supports wireless roaming, ensuring a more consistent wireless connection to a wireless access point. Wi-Pi uses the latest international wireless CCA air channel detection technology, enhancing wireless performance.

Hardware Features and Performance	
Physical Interface	USB 2.0
Antenna	Built-in smart antenna
Permissible Working and Storage Environments	Working Temperature: 0 °C to +40 °C
	Storage Temperature: -40 °C to +70 °C
Wireless Features and Performance	
Standards	IEEE 802.11n; backward compatible with IEEE 802.11g and IEEE 802.11b
Transmission speed	11b: 1/2/5.5/11Mbps
	11g: 6/9/12/18/24/36/48/54 Mbps
	11n: up to 150 Mbps

Wireless Features and Performance	
Frequency range	2.4 to 2.4835 GHz
Working channel	1 to 13
Transmit power	20dBm (max)
Software and Security	
Security features	WPA-PSK/WPA2-PSK
	WPA/WPA2
	64/128/152 bit WEP encryption
Operating System Support	Natively supported by the Raspbian "Wheezy" Linux operating system distribution onwards.