User Manual

DXS-W014S 150M Wireless WIFI Module

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1. Overview

Thank you for choosing the wireless WIFI module!

This module---DXS-W014S is an integration of firewall, router, and wire wireless network connection function. It is designed to fully compliant with IEEE 802.11b/g/n standards. With multiple encryption mechanism it can guarantee the security of data transmission in wireless network. It provides security, high-speed, standard-based wireless LAN solution and is able to quickly process file transfer, video, multimedia and other applications which require higher bandwidth. It is the best choice for the applications of the set-top box, IP camera, etc.

2. Product Feature

* Compliant with IEEE802.11 b/g/n standard.
* Security support for data encryption.
* Support high-speed transmitting rate.
* Support soft AP feature and PSP connection mode.
* Automatically detects and adjusts transmitting rate.
* Mini size and pretty designed.

3. Product Specifications

3.1 Function Specifications

Model Name	DXS-W014S
Main Chip	MT7601
Product Name	wireless WIFI module
Standard	802.11b/g/n,
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120 and maximum of 150Mbps
Modulation Method	BPSK/ QPSK/ 16-QAM/ 64-QAM
Frequency Band	2.4GHz ISM Band
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum) IEEE 802.11g/n:OFDM (Orthogonal Frequency Division Multiplexing)
RF Output Power	< 13dBm@11n,< 18dBm@11b,< 15dBm@11g
Operation Mode	Ad-hoc , Infrastructure
Receiver Sensitivity	11Mbps -83dBm@8%,54Mbps -73dBm@10%,130Mbps -64dBm@10%
Operation Range	Up to 180 meters in open space
OS Support	Windows XP 32/64, 2000,. Windows 7,Vista 32/64 , Linux, Macintosh
Security	WEP, TKIP, AES, WPA, WPA2
Power Consumption	DC 3.3V module - Transmit: max. 120 mA; Receive: max 90 mA
Interface	
Operating Temperature	0 - 50° C ambient temperature
Storage Temperature	-40 ~ 70°C ambient temperature
Humidity	5 to 90 % maximum (non-condensing)
PCB Dimension	12.9 x 12.2 x 0.6mm (LxWxH)

3.2 Environment conditions

Operating temperature: -10℃～70℃.

Operating Humidity: 10％～90％ without condensation.

Storage temperature: -40℃～70℃.

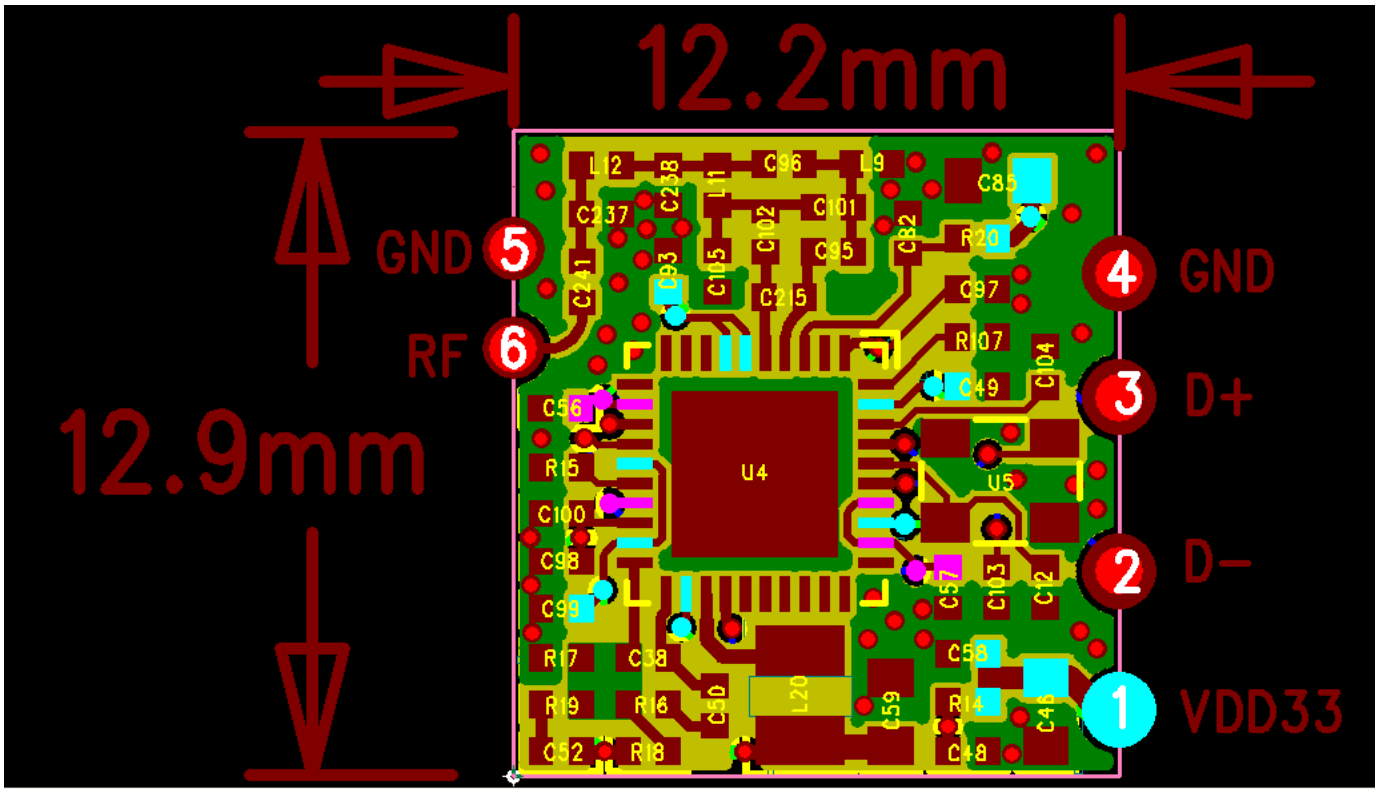
Storage Humidity: 5％～90％ without condensation.

3.3 Electrical Characteristics

Supply Voltage: DC 3.3V, 500mA

Power Rate: 1.3Watt

4. Dimensions and PIN definitions



PIN	Function
1	VDD33
2	D-
3	D+
4	GND
5	GND
6	RF

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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.

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

This device may not cause harmful interference, and This device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. such modifications could void the user’s authority to operate this equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Label of the End product

The final end product must be labeled in a visible are with the following “Contains TX FCC ID: 2AEP9-DXS-W014S”.

The FCC part 15.19 statement below has to also be available on the label: This device complies with Part 15 of FCC rules.

Operation is subject to the following two conditions:

(1)The device may not cause harmful interference, and (2) this device must accept any interference received, including Interference that may cause undesired operation.

A user manual with the end product must clearly indicate the operating requirements and conditions that must be observed to ensure compliance with current FCC RF exposure guidelines.

Note: If this module is intended for use in a portable device, you are responsible for separate approval to satisfy the SAR requirements of FCC Part 2.1093.