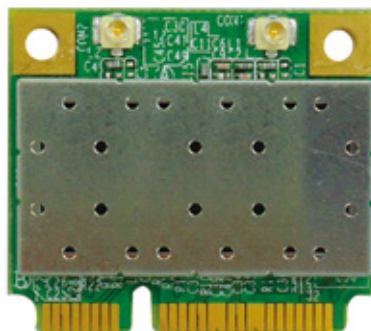


Wireless LAN Module

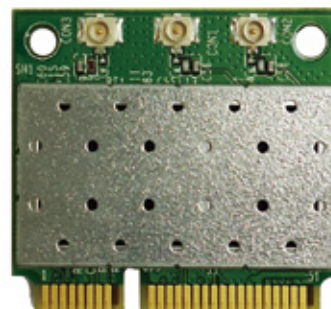
WIFI-RT5392-SB-R10



Features

1. PCIe Half-Size Mini card
2. 2.4GHz 802.11 b/g/n supports 2Tx/2Rx 2-stream MIMO to enable data rate up to 300Mbps link rate for 40MHz channel.
3. 20MHz/ 40MHz bandwidth
4. Solid design with external antenna diversity
5. Low power consumption and high performance
6. Supports 802.11x authentication, WEP 64/128, WPA, WPA2, TKIP, AES, WAPI encryption.
7. Support operating systems-Windows XP, CE6.0, XPE, 2000, Vista 32/64, Windows 7 32/64, Linux, MAC

WIFI-RT3593-DB-R10



Features

1. PCIe Half-Size Mini card
2. Dual band 802.11 a/b/g/n supports 3Tx/3Rx 3-stream MIMO to enable data rate up to 450Mbps link rate for 40MHz channel.
3. 20MHz/ 40MHz bandwidth
4. Solid design with external antenna diversity
5. Low power with advanced power management
6. Supports 802.11x authentication, WEP 64/128, WPA, WPA2, WAPI encryption.
7. Support operating systems-Windows XP, CE6.0, XPE, 2000, ME, 98SE, Vista 32/64, Windows 7 32/64, Linux, MAC

Specifications

Model	WIFI-RT5392-SB-R10	WIFI-RT3593-DB-R10
Standards	IEEE 802.11b/g/n, Wi-Fi compliant	IEEE 802.11a/b/g/n, Wi-Fi compliant
Rate	300 Mbps PHY rate in 2T2R mode	450 Mbps PHY rate in 3T3R mode
Interface	PCIe Mini card	PCIe Mini card
Controller Chip	Ralink RT5392	Ralink RT3593
Connectors	2 x U.FL (I-PEX) antenna connectors	3 x U.FL (I-PEX) antenna connectors
Security	WEP 64/128, WPA, WPA2, TKIP, AES, WAPI	WEP 64/128, WPA, WPA2, WAPI
Frequency Range	2.4GHz	2.4/5GHz
Modulation Type	802.11b (DSSS): CCK, DQPSK, DBPSK 802.11g (OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n (OFDM): BPSK, QPSK, 16-QAM, 64-QAM	802.11a (OFDM) 802.11b (DSSS): CCK, DQPSK, DBPSK 802.11g (OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n (OFDM): BPSK, QPSK, 16-QAM, 64-QAM
Supported OS	Windows XP, CE6.0, XPE, 2000, Vista 32/64, Windows 7 32/64, Linux, MAC	Windows XP, CE6.0, XPE, 2000, ME, 98SE, Vista 32/64, Windows 7 32/64, Linux, MAC
Receiver Sensitivity	802.11 b: -84dBm (Typical) at 11 Mbps 802.11 g: -71dBm (Typical) at 54 Mbps 802.11 n: -71dBm (Typical) at 300 Mbps	802.11 a: -71dBm (Typical) at 54 Mbps 802.11 b: -80dBm (Typical) at 11 Mbps 802.11 g: -73dBm (Typical) at 54 Mbps 802.11 n: -71dBm (Typical) at 450 Mbps
Power Consumption	255mA@3.3V in continue Tx 495mA@3.3V in continue Rx	430mA@3.3V in continue Tx 460mA@3.3V in continue Rx
Temperature	Operating: -10°C ~ 70°C Storage: -40°C ~ 150°C	Operating: -10°C ~ 70°C Storage: -40°C ~ 150°C
Humidity	Operating: 10% ~ 90%, non-condensing Storage: 5% ~ 95%, non-condensing	Operating: 10% ~ 90%, non-condensing Storage: 5% ~ 95%, non-condensing
Dimensions (W x D x H)	28 mm x 30 mm x 4 mm	28 mm x 30 mm x 4 mm
Weight	NW: 11g	NW: 11g

Ordering Information

Part No.	Description
WIFI-RT5392-SB-R10	Wi-Fi module with RT5392 single chip, 2T2R, single band;ROHS
WIFI-RT3593-DB-R10	Wi-Fi module with RT3593 single chip, 3T3R, dual band;ROHS