RouterBOARD R52



802.11a/b/g dual band miniPCI card

Key Features and Benefits

- Dual band IEEE 802.11a/b/g standard
- Output Power of up to 19dBm @ b/g/n Band
- Atheros AR5414, chipset
- 2 X U.FL Antenna Connectors
- Modulations:
  OFDM: BPSK, QPSK, 16 QAM, 64QAM
  DSSS: DBPSK, DQPSK, CCK
- Operating temperatures: -20ºC to 70ºC
- Power consumption MAX 2.4W

Your universal wireless card.

R52 is a 65mW 802.11abg wireless card and uses the Atheros AR5414 chipset. It is the logical choice for use in combination with RouterOS and RouterBOARD because of it's high compatibility and reliability.

Chipset:	Atheros AR5414
Standards:	IEEE802.11a, IEEE802.11b, IEEE802.11g
Media Access:	CSMA/CA with ACK architecture 32-bit MAC
Security:	Hardware 64/128 bit WEP, TKIP and AES-CCM encryption, WPA, WPA2, 802.1x
Modulation:	802.11b+g: DSSS, OFDM for data rate >30Mbps
	802.11a: OFDM
Connectors:	Two U.fl connectors
Certifications:	FCC, EC
Powering:	3.3V +/- 10% DC; 800mA max (600mA typ.)
Frequencies: 802.11b/g	2.192 – 2.507 (5 MHz step); 2.224 – 2.539 (5MHz step)
Frequencies: 802.11a	4.920 – 6.100 (5 MHz step)
Operating temperature	-20 .. +70C
Standard	Output power / Receive Sensitivity
802.11a	17dBm/-88dBm @ 6Mbps
	13dBm/-71dBm @ 54Mbps
802.11b	19dBm/-95dBm @ 1Mbps
	19dBm/-90dBm @ 11Mbps
802.11g	18dBm/-90dBm @ 6Mbps
	15dBm/-73dBm @ 54Mbps

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