

802.11b/g WLAN Mini SDIO Card Model : WL54C-MSD



Product Specifications

Rev : 1.0

Model Number	WL54C-MSD
Descriptions	802.11b/g WLAN Mini SD Card
Chipset	MTK MT5911N MAC with base-band processor
Interface	Mini SDIO
Operating Voltage	DC 3.3 V \pm 5%
Antenna Type	PCB Antenna
Radio Specifications	
Frequency Range	2.412GHz~2.4835GHz
Radio Type	11g:Orthogonal Frequency Division Multiplexing (OFDM) 11b:Direct Sequence Spread Spectrum (DSSS)
Data Rate	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Type of Modulation	BPSK, QPSK, 16QAM, 64QAM, (OFDM) CCK, DQPSK, DBPSK, (DSSS)
Operating Temperature	0°C to 45°C; <90% humidity (non-condensing)
Storage Temperature	-20°C to 70°C, <90% humidity (non-condensing)
Number of selectable Channels	USA, Canada (FCC): 11 channels (2.412GHz~2.462GHz) Europe (CE): 13 channels (2.412GHz~2.472GHz) Japan (TELEC): 14 channels (2.412GHz~2.4835GHz)
Receiver Sensitivity	802.11g(in 10% PER): -65 dBm at 54Mbps 802.11b(in 8% PER): -76 dBm at 11Mbps
Output power	54Mbps OFDM: 5dBm~6dBm(TBD) 11Mbps CCK: 10dBm~11dBm(TBD)
Preamble	802.11b: both short and long preamble 802.11g: both short and long preamble
Power Consumption	3.3V/330mA max (TBD)
Security	64/128 bit WEP, WPA-TKIP, WPA, WPAII
Physical Specifications	
Dimension	27 x 20 x 1.5 mm (L x W x H)
Weight	2.25 g
LEDs	Power/ACT: always blue ON for power up/ Blue blink for data transferring
Operating System Support	Support Pocket PC 2003, Mobile 4.2/5.0
Support	Infrastructure, Ad-Hoc
Approval	FCC, CE,