

High Power WLAN 802.11a/b/g mini-PCI Module

Model No : DCMA-82



-- FEATURES --

- Two kinds of RD connector models for choice MMCX & UFL type
- Single-Chip 802.11a/b/g mini-PCI Design for Embedded Application
- High Power Design, average power up to 25dBm
- Heat sink design provide reliable high power RD performance
- Screw hole reserved for assembly with AP main board
- Integrated 802.11i/WPA2 Supplicant
- 802.11e Compatible Bursting
- Internal Low Frequency Oscillator for Low Power Sleep Mode
- Host Interface PCI 2.3 Compatible
- WHQL Certified
- RoHS Compliant
- Operating Temp. Range can reach fm -40°C to 80°C, Industrial Spec. (optional)

Specifications

Frequency Band	A Mode: 5.15~5.35 & 5.725~ 5.85 GHz for US 5.15~5.35 GHz for Japan 5.15~5.35 & 5.47~5.725 GHz for ETSI 5.725~5.85 GHz for China 4.94~4.989Ghz for US safety band B/G Mode: 2400~2483.5 MHz (for US, Canada, EU, China and Japan)
Modulation Technique	802.11 a/b/g DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK,QPSK, 16-QAM, 64-QAM)
Host interface	Mini-PCI type 3A
Channels support	802.11b/g US/Canada: 11 (1 ~ 11) Major European country: 13 (1 ~ 13) France: 4 (10 ~ 13) Japan: 11b: 14 (1~13 or 14th), 11g: 13 (1 ~ 13) 802.11a US/Canada: 12 non-overlapping channels Europe: 19 non-overlapping channel Japan: 8 non-overlapping channels US(safety band) : 4940~4990Mhz
Operation voltage	3.3V +/- 10%
Power consumption	A Mode: Cont. Tx: 1100mA (typical)~1300mA (max) Cont. Rx: 250mA (typical)~270mA (max) Stand by: 280mA (typical)~290mA (max) B Mode: Cont. Tx: 730mA (typical)~780mA (max)

	Cont. Rx: 200mA (typical)~220mA (max) Stand by: 230mA (typical)~240mA (max) G Mode: Cont. Tx: 730mA (typical)~780mA (max) Cont. Rx: 240mA (typical)~260mA (max) Stand by: 280mA (typical)~290mA (max) Power saving: 35mA (typical)~55mA (max) Radio off: 40mA (typical)~50mA (max)
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Output power	A Mode: +22.5dBm at 6, 9, 12, 18Mbps +21.5dBm at 36Mbps +19dBm at 48Mbps +18dBm at 54Mbps B Mode: +24.5dBm at 1,2, 5.5, and 11Mbps G Mode: +24.5dBm at 6, 9, 12, 18Mbps +23.5dBm at 36Mbps +22dBm at 48Mbps +21dBm Bm at 54Mbps
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