

# CM9 2.4/5GHz 802.11A+B+G Wireless miniPCI Card



High speed 11 Mbps (802.11b) or 108Mbps (802.11a/g) data rate

Wi-Fi, WPA certificated interoperability

Multi band operation with single card

Super G and Super A supported

Wide frequency use possible

High Radio output power

Hardware AES-CCM Encryption

Standard U.FL coaxial connector type

WiFi chips made by world leader in Wifi Atheros

High receiver sensitivity (-95dBm) for long distance operation

## Specifications

Main Chipset:	MAC: Atheros AR5213; PHY: Atheros AR5112
IEEE Standard Compliance	IEEE 802.11a 5GHz OFDM IEEE 802.11b 2.4GHz OFDM IEEE 802.11g 2.4GHz CCK
Frequency Range	802.11a: 4.9GHz ~ 6,1 GHz 802.11b/g: 2.3GHz ~ 2.5GHz
Receive Sensitivity:	802.11b: 95dBm @ 1Mbps 90dBm @ 11Mbps 802.11g: 90dBm @ 6Mbps 74dBm @ 54Mbps 802.11a: 88dBm @ 6Mbps 71dBm @ 54Mbps
Output Power:	802.11b: 18 dBm 802.11g: 18 dBm @ 6Mbps, 15 dBm @ 54Mbps 802.11a: 17 dBm @ 6Mbps, 13 dBm @ 54Mbps
Transfer Data Rate:	
802.11b:	11, 5.5, 2, 1 Mbps, auto-fallback
802.11g (Normal mode):	54, 48, 36, 24, 18, 12, 9, 6 Mbps, auto-fallback
802.11g (Turbo mode):	108,96,72,48,36,24,18,12 Mbps, auto-fallback
802.11a (Normal mode):	54, 48, 36, 24, 18, 12, 9, 6 Mbps, auto-fallback
802.11a (Turbo mode):	108, 96, 72 48, 36, 24, 18, 12 Mbps, auto fallback
Operation Voltage:	3.3V +/- 5% DC
Supported OS:	
Antenna connector	2 U.fl Ultra-miniature coaxial connectors on MiniPCI card
Dimensions	59 x 44 x 5 mm
Weight	11gr for one pcs
Environmental Specification	Specification operation temperature: 0°C ~ 70°C Storage Temperature: -20°C ~ 80°C Operating Humidity: 10%~90% (Non-condensation)



*U.fl antenna connector*

