



IEEE 802.11g Cardbus Adapter



Model Number: CB54GM

General Descriptions

Best Rico CB54GM is an IEEE 802.11g compliant wireless LAN CardBus Adapter which is backward compatible with IEEE 802.11b, it provides peer-to-peer communication among any compatible wireless users and no Access Point required. CB54GM offers easy installation and cost-effective connection for corporate, SOHO and residential users.

Best Rico CB54GM wireless LAN CardBus Adapter uses Marvell chipset solution and provides maximum transfer rate up to 54 Mbps. CB54GM supports WEP and WPA-PSK high level WLAN security features that guarantee the best security for users.

All Best Rico products are made in ISO9001 approved factory. CB54GM WLAN CardBus Adapter complies with FCC part 15 regulations and CE approval.

Features and Benefits

- Compatible with IEEE 802.11g high rate standard to provide wireless Ethernet speeds of 54Mbps data rate
- Dynamic data rate scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Supports WPA-PSK
- Integrated microstrip dual diversity antenna for the multi-path environment
- One-piece PC Card design to fully support CardBus type II defined mechanical and environmental stress conditions
- Drivers support Windows 98(SE), ME, 2000 and XP
- Simple user setup & diagnostics utilities

Specifications

Data Transfer Rates	11Mbps (11b mode), 54Mbps (11g mode)
Standard	IEEE 802.11g, backward compatible with IEEE 802.11b
Operating Radius	Indoor : 100m, Outdoor : 300m
Radio Technology	IEEE 802.11g Orthogonal Frequency Division Multiplexing (OFDM) IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)
Interface	CardBus Type II specification 32bit data bus
Operating Frequency / Channel	2.412~2.462GHz (FCC, US/Canada) / 11 Channels 2.412~2.472GHz (ETSI, Europe) / 13 Channels 2.412~2.484GHz (TELEC, Japan) / 14 Channels
Modulation Schemes	DBPSK/DQPSK/CCK/OFDM
Roaming	Full mobility and seamless roaming from cell to cell
Antenna	Integrated Printed Antenna
Media Access Protocol	CSMA/CA with ACK
LED Indicators	Power, Link

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Receiver Sensitivity	54Mbps : -73dBm @ 10% PER, 11Mbps : -85dBm @ 8% PER
Transmit Output Power	11b : 15dBm, 11g : 12dBm
Power Consumption	Rx : 240mA Tx : 530mA
Working Mode	Infrastructure, Ad-Hoc
Dimensions (app)	118mm (length) x 54mm (width) x 7mm (height)
Net Weight (app)	40g
Operating Temperature	0° C ~40° C
Humidity	5 % ~ 95 % (non-condensing)
Storage Temperature	-10° C ~ 70° C
Supported OS	Windows 98SE, ME, 2000 and XP
Regulations	FCC Part 15.247, ETS 300 328, CE

V.1.0