

DW-690 802.11a CardBus



DW-690

DW-690 is a Wireless LAN CardBus PC Card that complied with IEEE 802.11a 5.2GHz WLAN standard, and it can be used to provide up to 54Mbps and 72Mbps high-speed data network to connect your Wireless LAN.

With seamless roaming, fully interoperability and advanced security with WEP standard, **DW-690** offers absolute interoperability with different vendors' 802.11a Access Points through the Wireless LAN.

DW-690 comes with user friendly installation and operating software therefore users won't waste time configuring software manually.

Features

- Compatible with IEEE 802.11a high rate standard to provide wireless 54Mbps data rate, and speeds up to the turbo mode of 72Mbps.
- Operation at 5.2GHz Unlicensed National Information Infrastructure (U-NII) frequency band.
- Dynamic data rate scaling at 6, 9, 12, 18, 24, 36, 48, 54 and 72Mbps.
- Maximum reliability, throughput and connectivity with automatic data rate switching.
- Supports wireless data encryption with 64/128/152-bit WEP for security.
- Supports infrastructure networks via Access Point and ad-hoc network via peer-to-peer communication.
- Built-in dual diversity antenna for the multi-path environment.
- Support CardBus (32-bit) Type II PC Card.
- Drivers support Windows 98SE, ME, 2000, and XP.
- Friendly user configuration and diagnostic utilities.

Specifications

- | | |
|----------------------------|---|
| ■ Radio Technology | IEEE 802.11a Orthogonal Frequency Division Multiplex |
| ■ Operating Frequency | 5170~5320MHz |
| ■ Modulation Schemes | BPSK, QPSK, 16QAM, 64QAM |
| ■ Channel Available | 8 Non-overlapping channels for US and Canada
4 Non-overlapping channels for Japan |
| ■ Data Rate | 72Mbps with fall back of 54, 48, 36, 24, 18, 12, 9 and 6 Mbps |
| ■ Media Access Protocol | CSMA/CA with ACK |
| ■ Transmitter Output Power | 12dBm at 72Mbps/ 14dBm at 24, 18, 12, 9 and 6Mbps |
| ■ Receiver Sensitivity | Typical -71dBm for 72Mbps @ 10% PER (Packet Error Rate)
Typical -85dBm for 6Mbps @ 10% PER (Packet Error Rate) |
| ■ Distance | Office 35M, Open Environment 120M |
| ■ Data Security | 64-bit, 128-bit and 152-bit WEP |
| ■ LED Indicator | Power & Network status |
| ■ Antenna Type | Integrated dual diversity antennas with 4dBi gain |
| ■ Operating Voltage | 3.3 VDC +/- 10% |
| ■ Current Consumption | 1650mW at continuous transmit mode
1250mW at continuous receive mode
40mW at sleep mode |
| ■ Interface | PCMCIA |
| ■ Temperature | CardBus PC card Type II
0°C ~ 60°C in Operating
-20°C~85°C in Storage |
| ■ Humidity | 10% ~ 95% Non-condensing |
| ■ Dimensions | 117.86mm x 54mm x 5mm |

Wireless PC Card

