

DW-590 802.11a

DW-590 is a wireless LAN PCI adapter that complied with IEEE 802.11a standard, 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-590 offers absolute interoperability with any 802.11a Access Points through the wireless LAN.

DW-590 comes with user friendly installation and operating software therefore users won't waste time configuring the 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
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports infrastructure networks via Access Point and ad-hoc network via peer-to-peer communication
- Dynamic data rate scaling at 6, 9, 12, 18, 24, 36, 48, 54 and 72Mbps
- Supports wireless data encryption with 64/128/152-bit WEP for security
- Single 3dBi high-gain dipole antenna)
- Drivers support Windows 98SE, ME, 2000, and XP
- Support PCI Local Bus 2.2 standard
- Friendly user configuration and diagnostic utilities

Specifications

| | |
|----------------------------|--|
| ■ Radio Technology | IEEE 802.11a Orthogonal Frequency Division Multiplexing (OFDM) |
| ■ 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 Rates of 54,48, 36, 24, 18, 12, 9 and 6 Mbps |
| ■ Media Access Protocol | CSMA/CA with ACK |
| ■ Transmitter Output Power | 12dBm at 48Mbps/ 14dBm at 24, 18, 12, 9 and 6Mbps |
| ■ Receiver Sensitivity | Typical -71dBm For 72Mbps @ 10% PER (Packet Error Rate) Typical -85dBm for 6 Mbps @ 10% PER (Packet Error Rate) |
| ■ Distance | Office 35 M, Open Environment 120 M |
| ■ Data Security | 64-bit, 128-bit and 152-bit WEP |
| ■ LED Indicator | Power And Network status |
| ■ Antenna Type | Single 3dBi high-gain dipole antenna |
| ■ Operating Voltage | 3.3 VDC +/- 10% |
| ■ Current Consumption | 1650mW at continuous transmit mode 1250mW at continuous receive mode 40mW at sleep mode |
| ■ Interface | PCI 32-bit Interface |
| ■ Temperature | 0 - 55 °C in Operating -20-65 °C in Storage |
| ■ Humidity | 10% - 90% Non-condensing |
| ■ Dimensions | 133 mm x 121 mm x 18 mm |

