

DW-290 802.11a

DW-290 is a wireless LAN Mini PCI Card that complied with IEEE 802.11a standard, it can be used to provide up to 54Mbps and 108Mbps high-speed data network to connect your wireless LAN.

With seamless roaming, fully interoperability and advanced security with WEP standard. DW-290 offers absolute interoperability with any 802.11a Access Points through the wireless LAN.

Features

- Compatible with IEEE 802.11a high rate standard to provide wireless 54Mbps data rate, and speeds up to the turbo mode of 108Mbps
- 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 108Mbps
- Supports wireless data encryption with 64/128/152-bit WEP for security
- Two high-gain dipole antenna 3 dBi and 4dBi
- Drivers support Windows 98SE, ME, 2000, and XP
- Support PCI Local Bus 2.2 standard
- Friendly user configuration and diagnostic utilities

Specifications

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| ■ Radio Technology | IEEE 802.11a Orthogonal Frequency Division Multiplexing (OFDM) |
| ■ Operating Frequency | 5150-5350MHz |
| ■ Modulation Schemes | BPSK, QPSK, 16QAM, 64QAM |
| ■ Channel Available | 8 Non-overlapping channels for US and Canada 4 Non-overlapping channels for Japan |
| ■ Data Rate | 108Mbps 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% P ER (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 | Two high-gain dipole antenna 3 dBi and 4dBi |
| ■ Operating Voltage | 3.3 VDC +/- 10% |
| ■ Current Consumption | 1650mW at continuous transmit mode 1250mW at continuous receive mode 40mW at sleep mode |
| ■ Interface | Mini-PCI TypeIIIA |
| ■ Temperature | 0 - 55 °C in Operating -20-65 °C in Storage |
| ■ Humidity | 10% - 90% Non-condensing |
| ■ Dimensions | 59.75 mm X 50.95 mm X 5.0 mm |

Wireless LAN Mini PCI

