

# C100A Wireless LAN PC Card with RSMA Connector



## Description

The high performance C100A Wireless LAN PC Card offers high-speed wireless connection, up to 11Mbps. C100A is IEEE 802.11b compliant PC card plugged into the notebook for connecting to a wireless LAN network. One RSMA connector is provided for the attachment of external antenna. The Wired Equivalent Privacy (WEP) with 64-bit/128-bit encryption design allows you to have reliable wireless communication.

The C100A Wireless LAN PC Card is designed and manufactured by Tellus Group Corporation - a company with expertise in wireless communication sector. Its performance and reliability exceed the requirements of IEEE 802.11b standard, and its interoperability provides the flexibility to work with other 802.11b compliant device boundlessly. The plug-and-play feature also makes it easy for installation.

## Features

- Automatic data rate fallback under noisy environment
- Advanced power management for power saving
- Supports a wide range of operating systems
- Interoperable with IEEE 802.11b compliant equipment
- Supports full mobility and seamless roaming from cell to cell
- Plug-and-play installation and easy client management with utility software
- Operating range
  - Open environment: Up to 300m
  - Office environment: 50 ~ 100m

## Specifications

- **General:**
  - Compliant with IEEE 802.11b Standard
  - Security: WEP 64-bit, 128-bit
- **Radio Characteristics:**
  - RF Range: 2.4 ~ 2.4835 GHz
  - Modulation: DBPSK for 1 Mbps, DQPSK for 2 Mbps, CCK for 5.5 / 11 Mbps
  - Data Rate: 11 / 5.5 / 2 / 1 Mbps

- Number of Channels:
  - Europe - 13, US - 11, France - 4, Japan - 14
- Antenna: Two built-in PCB patch diversity antennas
- Transmit Power (Typ.): +13 dBm
- Receive Sensitivity (Typ. @BER < 10E-5):
  - 83 dBm for 11 Mbps

- **Power:**

- Input Voltage: 3.3/5 Vdc
- Current Drain (Typ. @3.3 Vdc):
  - Tx mode: 450mA,
  - Rx mode: 250mA

- **Software:**

- Driver Support: Windows 95 / 98 / 98SE / Me / NT / 2000 / XP / CE; Linux
- Utility: User setup & diagnostic tool

- **LED:** Green for activity indication

- **Mechanical**

- Host Interface: PCMCIA type II, 16 bit, 5V Key
- Antenna Connector: One RSMA connector
- Dimensions: 118.4 mm x 54.0 mm x 5.0 mm
- Weight: 35 grams

- **Environmental:**

- Temperature:
  - 0 ~ +55°C (operating),
  - 20 ~ +65°C (storage)
- Relative Humidity: 95% (non-condensing)

- **EMC Certificate:**

- U.S., Canada: FCC Part 15, sections 15.247, 15.205, 15.209; RSS-210
- Europe: ETS 300 328, ETS 300 826, CE Marked

Notes:

1. Specifications are subject to change without notice.
2. Windows 95 / 98 / 98SE / Me / NT / 2000 / XP / CE are the registered trademark of Microsoft.

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