

# Specification CTX405 802.11g PCI Card

## Features

- Interface: PCI-BUS
- Power Management Features- APM and ACPI
- High-speed wireless connection, up to 54Mbps
- Interoperable with IEEE 802.11b/g 2.4 GHz compliant equipment
- 3.3V Supply
- External antenna with inverse SMA connector
- Meets IEEE 802.11b/g Wireless standards
- Internal WEP (Wired Equivalent Privacy) Engine allows 64 or 128 bit Encryption WPA support
- Data Rates: up to 54Mbps
- Modulation OFDM with BPSK, QPSK, 16QAM, 64QAM DBPSK, DQPSK, CCK
- Convolution coding and interleaving on all OFDM rates
- 3V PCI Wireless LAN Adapters
- Plug and Play Installation

## Hardware Specification

### Dimensions

Length including antenna connector: 128 mm  
 Width: 52 mm  
 Bracket height: 117,3 mm  
 Weight including antenna: < 60 g

Antenna system: External antenna with Inverse SMA connector

Data rate: IEEE802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9 Mbps, 6Mbps  
 IEEE802.11b: 11Mbps, 5,5Mbps, 2 Mbps, 1Mbps  
 (Automatic Rate Selection)

### Operating conditions:

	Temperature	Humidity
In use	0°C – 40°C	5 – 95% (non condensing)
Storage	-20°C – 65°C	5 – 95% (non condensing)

### Power Management:

Yes

### Electrical Specification:

Operating Voltage: 3.3V DC host ( $\pm$  5%)  
 Rating: <400mA

### Approvals:

CE according R&TTE, ETSI EN 300 328-2 V1.2.1/(2002-06), EN60950, EN55022, EN55024 and EN301489-1,-17.

### Properties:

Standard: IEEE 802.11b, IEEE 802.11g  
 Freq. Band: 2400 – 2483,5 MHz  
 Bandwidth: 18 MHz  
 Operation freq.: 2412 MHz – 2472 MHz  
 Channel spacing: 5 MHz  
 Number of channels: 13 in Europe, 11 in USA/Canada  
 RF output:  $\leq$  20dBm eirp

### Standards:

IEEE802.11b and IEEE802.11g

### Net security:

Internal WEP Engine allows 64 or 128bit encryption, supports WPA

### Type of modulation & ITU code:

18M0P7D DSSS  
 (Direct-Sequence-Spread-Spectrum) / OFDM  
 (Orthogonal Frequency Division Multiplexing)

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