



## Data Sheet

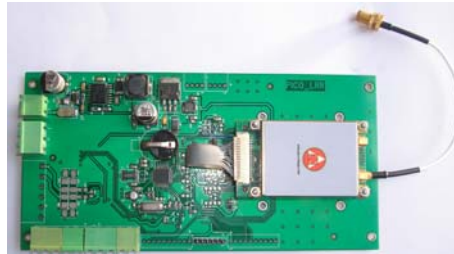
# EPC C1 G2 READER 1W

### Features

- Firmware upgradeable
- 860-960 MHz
- RS232/RS485 Interface
- Configurable Power Scheme
- Simple & Intuitive API
- Efficient HW/SW Design

### Applications

- Electronic toll collection
- Assets Tracking
- Library Management
- Retails
- Document tracking
- Vehicle tracking



The Pico-1002 is a multi-protocol RFID reader capable of reading and writing to transponders based on EPC, and ISO18000-6C air interface protocols covering 860-960MHz. Field-upgradeable firmware provides forward compatibility for adding future tag protocols and features preventing infrastructure obsolescence. The RF output power of the Pico-1002 is programmable upto +30dBm (1W). Pico-1002 can be interfaced with the host using RS 232/RS485 Interface, which can be set by simple hardware settings to provide communication with a variety of systems. Software-adjustable baud rates for asynchronous communication from 9600 to 460,800 bits per second offer even more flexibility and ease integration efforts. The Pico-1002 has an output impedance of 50 Ohm for connection to off-the-shelf or expressly designed application-specific antennas.

### Technical data

Frequency	860-960 MHz
Host Communication	RS232/RS485/Wi-Fi
Data Rate	9600 to 115200 bps
2 RF Ports	50-ohm SMA (female)
Effective Range	4m(individual results may vary with environmental and tag type)

### Electrical

Input voltage range	6V- 12V DC
Current Consumption	
Idle Mode	225mA
Scan Mode	1500mA @ + 30dBm

### Environmental

Storage Temperature	°C to + 65°C
Operating Temperature	-20°C to +60°C
Regulatory	FCC Part 15.247 Compliant

For more information, please contact [www.pico-mega.com](http://www.pico-mega.com)

*Pico Mega reserves the rights to change its products and services at any time without notice. Pico Mega assumes no responsibility for customer product design or for infringement of patents and / or the rights of third parties, which may result from assistance provided by Pico Mega.*

Copyright 2009 Pico Mega Design Labs