



## Data Sheet

# EPC C1 G2 Reader 500mW

### 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
- Retailers
- Document tracking
- Vehicle tracking



Pico-1001 UHF Fixed Reader provides a low-power, high-performance, and cost-effective UHF RFID system designed to enable any RFID application with UHF RFID reader technology. Field-upgradeable firmware provides forward compatibility for adding future tag protocols and features preventing infrastructure obsolescence. The RF output power of the Pico-1001 is software adjustable from 15mW to 500mW. Pico-1001 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. The Pico-1001 UHF RFID fixed reader has been deliberately created to address a wide spectrum of applications offering performance at an optimal price point.

### Technical data

Frequency	860-960 MHz
Host Communication	RS232/RS485
Data Rate	4800 to 57600 bps
Antenna	50-ohm port via SMA (female)
Effective Range	2 to 3 meters (individual results may vary with environmental and tag type)

### Electrical

Input voltage range	6V- 9V DC
Current Consumption	Sleep Mode < 100µA
Idle Mode	50mA
Scan Mode	250mA @ + 12dBm, 650mA @ + 27dBm

### Environmental

Operating Temperature	0°C to + 65°C
Storage Temperature	- 20°C to + 85°C

Regulatory	FCC Part 15.247 Compliant
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**For more information, please contact [www.pico-mega.com](http://www.pico-mega.com)**

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