Custom Computer Services, Inc.

# RFID Development Kit

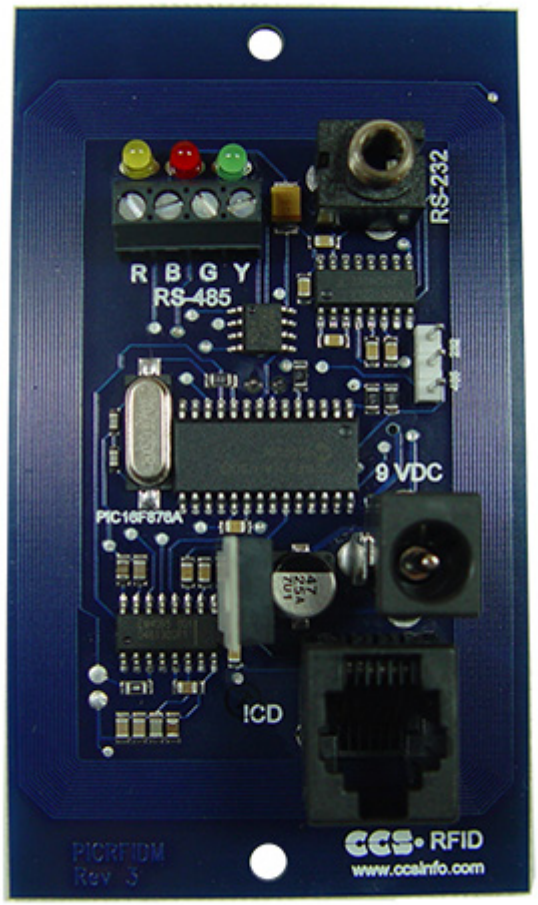

| Development Kit Options<br>Tools Included | w/Compiler | Hardware Only* | Proto-Board* |
|---|---|---|---|
| Sku | S-36 | 53318-510 | 53207-612 |
| Compiler Software | PCW | | |
| Programmer | ● | ● | |
| Prototyping board | ● | ● | ● |
| Power supply & cables | ● | ● | |
| Exercise book | ● | ● | |
| Price | **$474** | **$149** | **$90** |
| Buy Now → | Add | Add | Add |

*Hardware only and proto-boards are intended for customers already owning a CCS compiler.

The CCS RFID Development Kit includes a simple read-only and read/write transponder to demonstrate multiple RFID communication possibilities. The development kit includes the powerful PCW Integrated Development Environment with compiler support for Microchip's PIC® PIC10, PIC12 and PIC16 families and an ICD-U64 in-circuit programmer/debugger that supports C-aware real time debugging. A manual with source code examples explains how to use the drivers, enabling you to quickly develop your own RFID applications.

The RFID Prototype Board has a short range RFID antenna connected to an external RFID transceiver IC. (Note: The short range antenna is a PCB trace, it is not an externally connected antenna) The 3.625" x 2" prototype board connects to external components using a four-wire RS485 bus.

## RFID Prototyping Board includes:




- Three LEDs
- One Dual-color LED
- Short range RFID Antenna
- RS-485 and RS-232 connections

The RS485 connection on the RFID Prototype board is to accomodate a multi-drop/multi-node network of RFID units and other RFID related components.

RFID or Radio Frequency Identification is a generic term for technologies that use dio waves to automatically identify people or objects. Although RFID technology is a few decades old, it has become more widely used in recent years due to diminishing cost restraints. Up until recently, it has been too expensive and too limited to be practical for many commercial applications. Today, RFID technology is used in applications such as access control, tagging inventory for security to prevent counterfeiting, access credit and bank accounts via embedded chips, and human resource tracking. The basic RFID systems is composed of three parts: transponders, antennas, and controllers.

# RFID Development Kit includes:

- RFID Prototyping Board
- In-Circuit Debugger/Programmer
- Two Read-Only RFID Transponders [**1**, **2**]
- One Read/Write RFID Transponder [**3**]
  - Password Protection
  - Can be made Read-Only or Write-Only
- Exercise Tutorial
- 9V AC Adapters and Cables

Additional Information: If you do not own a recent version of the CCS C Compiler please note that the RFID Development Kit does not include the header files needed to make it run properly. You can e-mail **support@ccsinfo.com** to request the specific files you are interested in.

**Click here to view the Prototyping Accessories.**