



IDS

The RFID Semiconductor Company

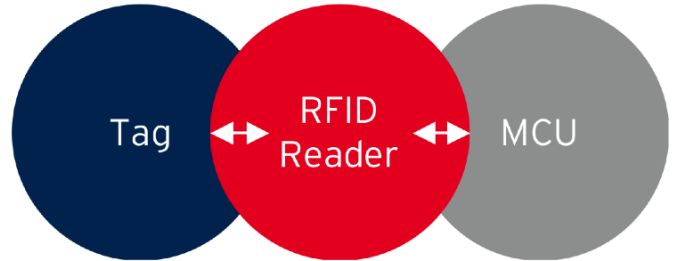
R901G / R902DRM EPC Gen 2 UHF RFID Reader IC Product Flyer

EPC Gen2 Reader Chips for Handheld and Embedded UHF Readers

The R901G and R902DRM are EPC Gen2 RFID reader chips enabling battery-powered, small form-factor handheld and embedded UHF reader systems. The chips fully support ISO 18000-6C, and ISO 18000-6A/B as well as proprietary protocols are supported through the direct mode.

Adding a simple low-cost 8-bit microcontroller completes a portable UHF reader system. In embedded systems, the R901G / R902DRM can share a common CPU with the rest of the system and hence reducing BOM and enabling cost-efficient solutions with minimum form factor.

The R902DRM also includes dense reader mode function, which prevents reading conflicts in a multi-reader environment.



- Enabling battery-powered, small form factor handheld EPC Gen 2 readers
- No need for complex high-power micro, works with a simple low-cost 8-bit micro
- R902DRM with dense reader mode

Development Kit

A complete development kit including a reader board is available. The kit comes with demo application and GUI software with source codes.

Typical Application - EPC Gen 2 RFID Reader System

