

PRODUCT INFORMATION

SRRM

VERSION 01 JANUARY 08

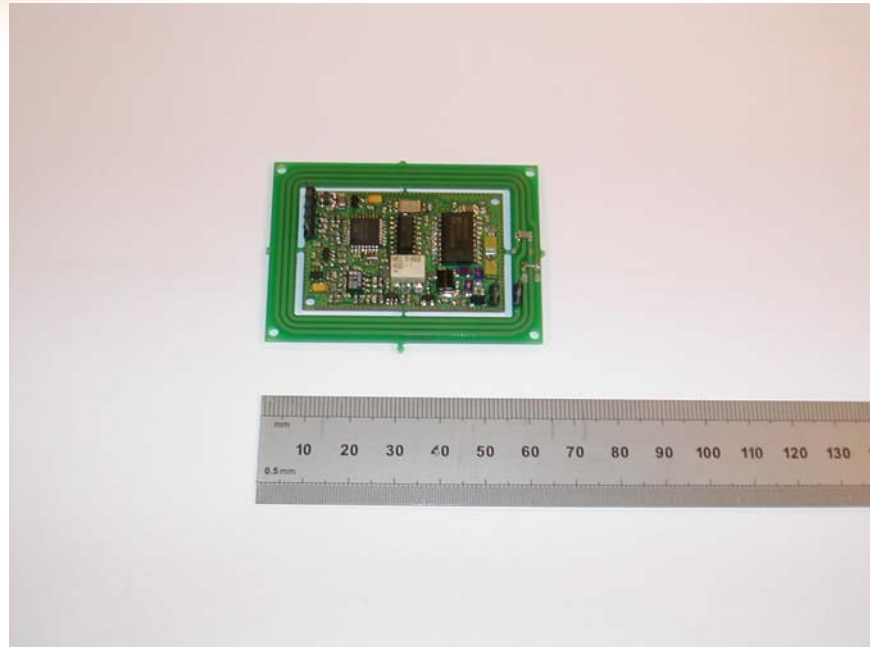
# BLACKROC TECHNOLOGY

INNOVATION IN AIDC TECHNOLOGIES

## PJM Short Range Reader Module

**NOTE:**

The image shows the module with PCB exposed. Production modules have a slim protective metal can on the top surface. The image also shows the snap-out antenna around the edge of the module.



### APPLICATIONS

- HANDHELD COMPUTERS
- SMART LABEL PRINTERS
- DOOR LOCKS
- PDA'S
- COMPACT STAND-ALONE READER APPLICATIONS

The Blackroc Magellan Short Range Reader Module (SRRM) is a fully functional PJM reader/writer module designed for integration into handheld PCs and label printers. Very compact in size, and with a low power requirement, the SRRM has an antenna attached to the reader PCB which allows the module to be used as a fully functional standalone reader complete with it's own antenna, or alternatively, the antenna can be snapped off and attached elsewhere via a twisted pair cable or another custom antenna of similar characteristic could be attached in the same way. The SRRM reads and writes to Magellan PJM Stack Tags and Item Tags (It will read up to 8 stack tags in the field).

A simple serial interface allows connection of the SRRM to most devices.

The SRRM is fully compatible with ISO 18000 Part 3 Mode 2, and is fully certified as a type approved device for CE and as a module for FCC. This means that integrators do not have to test for radio compliance, but can rely on the approvals already in place for the module.

Tags Read	ISO 18000 Part 3 Mode 2 (PJM)
Tag Types	Stack Tag and Item Tag
Power	110mA (max) at 5Volts
Communications	Serial Interface 3.3 volt TTL
Read Range	20mm to 75mm depending on tag type and size
Accessories	Snap-out Antenna built in.
Dimensions	46x 30mm (63 x 45 with snap-out antenna)
Weight	20g approx. (Including Antenna)

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