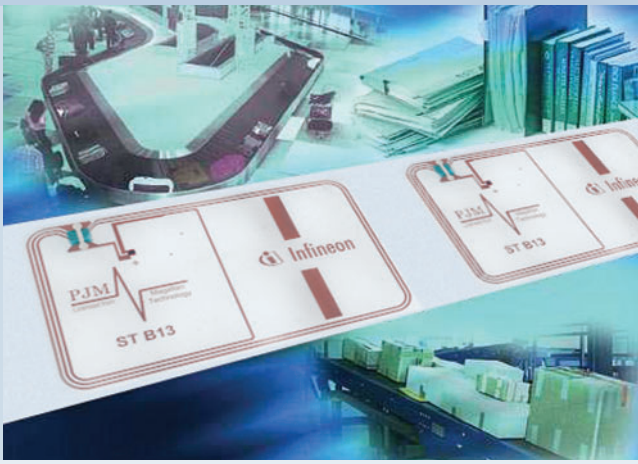
Product Brief



PJM Item Tag
PJM Stack Tag

SRF 66V10IT
SRF 66V10ST

PJM (Phase Jitter Modulation) Contactless Memory for High Speed and Zero Separation Applications

INTELLIGENT 10 KBit EEPROM with contactless interface
PJM IT (Item Tag): complying to ISO/IEC 18000-3 Mode 2
PJM ST (Stack Tag): an enhancment of ISO/IEC 18000-3 Mode 2
PJM IT and PJM ST: Transaction speed is approximately 25 times faster than typical RFID devices.
PJM ST: Inherent Zero Separation feature supports read/write to hundreds of closely stacked items.

PJM - A BREAKTHROUGH technology, a solution to current and new avenues of RFID application.

Application Segments

- Track and Trace
- Authentication
- Product/SCM
- Operation Management

Application Examples

- Document Management
- Pharmaceutical
- Gaming
- Postal services
- Electronic manufacturing
- Airline baggage handling
- Textile industry

Features

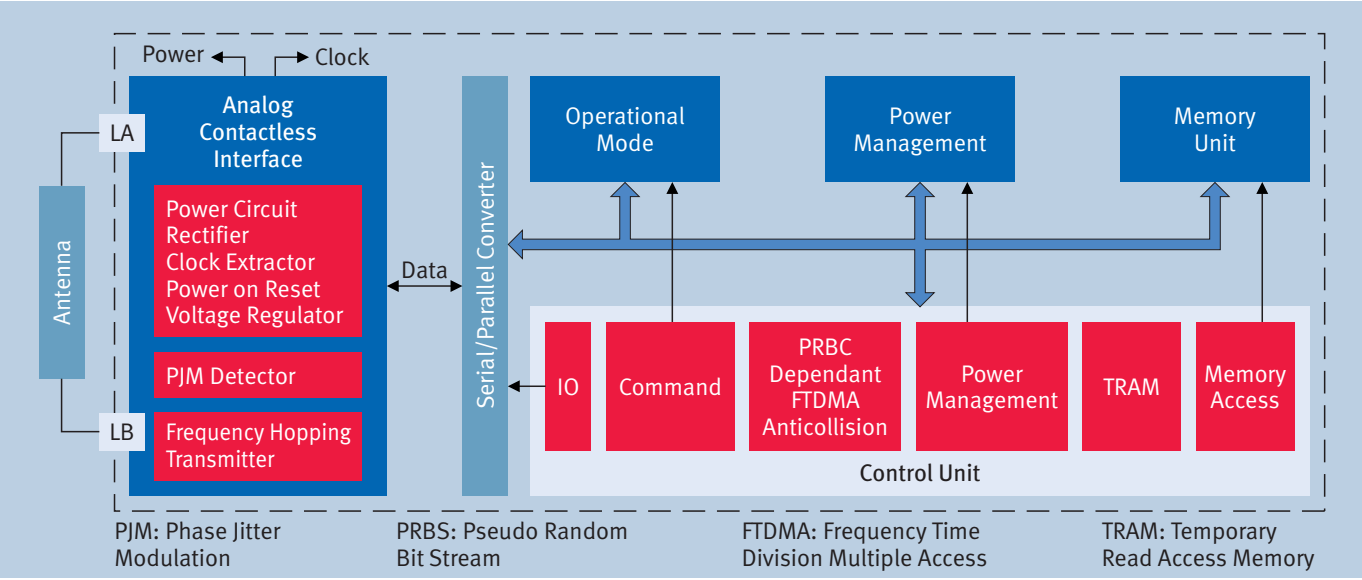
- Operating frequency 13.56 MHz
- Contactless air interface and anticollision complying with ISO 18000 Part 3 Mode 2
  - Data transfer rate (to tag): 424 kbit/s
  - Data transfer rate (from tag): 106 kbit/s
  - Identification up to 1200 tags/s
  - Simultaneous tag responses up to 8 channels
- High transfer rate for Item Tag and Stack Tag
  - Data transfer rate up to 848 kbit/s
- Zero Separation for Stack Tag
  - Read/write of hundreds closely stacked items
- 48 bit password
- Lockable chip memory
- Application Group identifier
- Conditional identifier
- 10 KBit EEPROM
- Block organization of memory
- EEPROM updating time per block < 5 ms
- Endurance > 100,000 erase/write cycles
- Data retention > 10 years
- Ambient temperature: -25 ... +70°C (for IC)

www.infineon.com/contactless

Chip Card & Security ICs

Never stop thinking

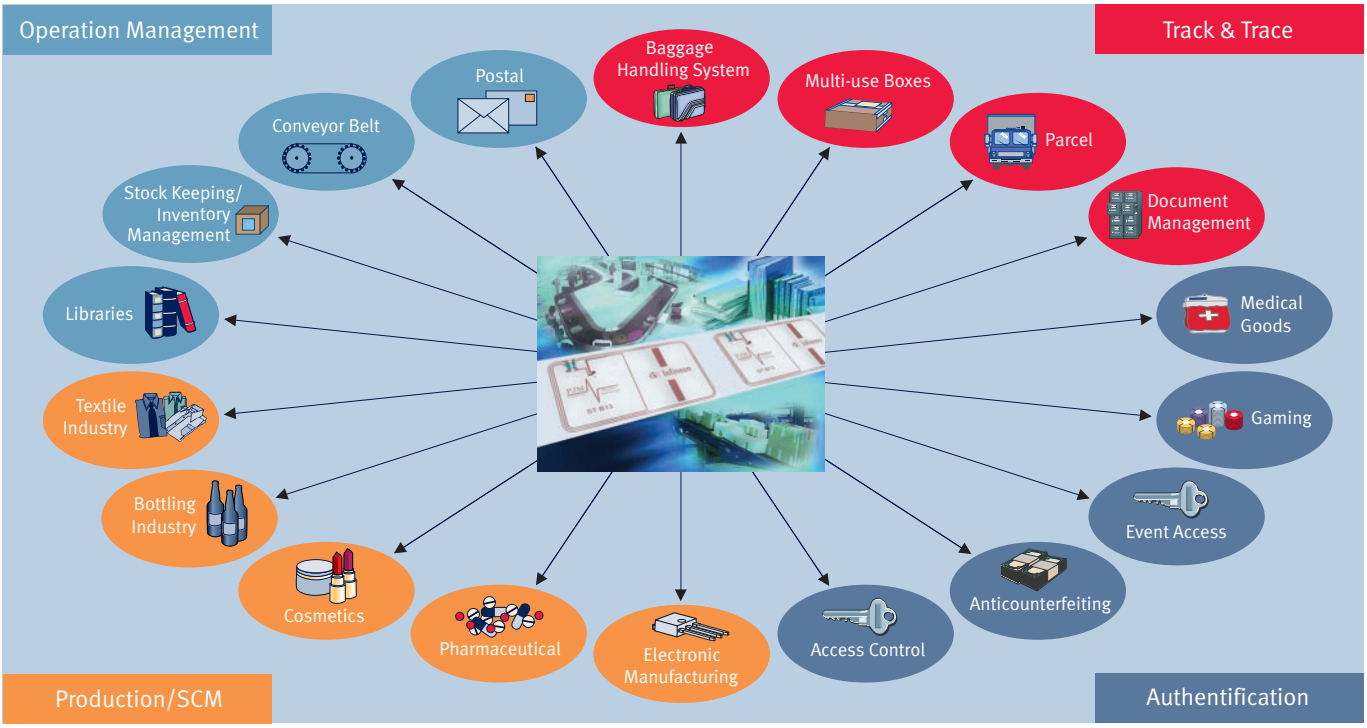
Block Diagram



Product Summary

Type	Sales Code	Package
SRF 66V10IT	on request	die, inlay, module
SRF 66V10ST	on request	die, inlay, module

Application Example



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