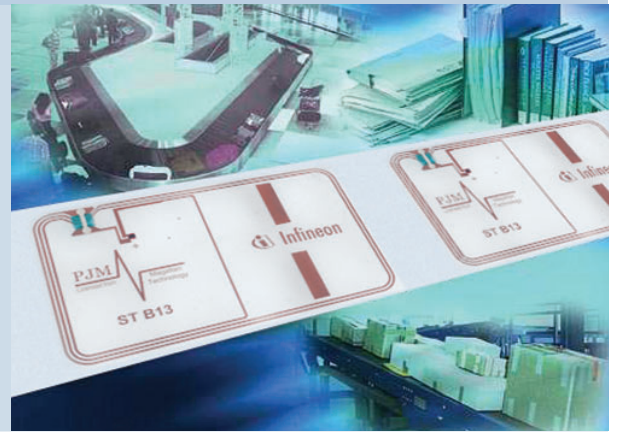


## PJM Item Tag PJM Stack Tag

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 enhancement 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)

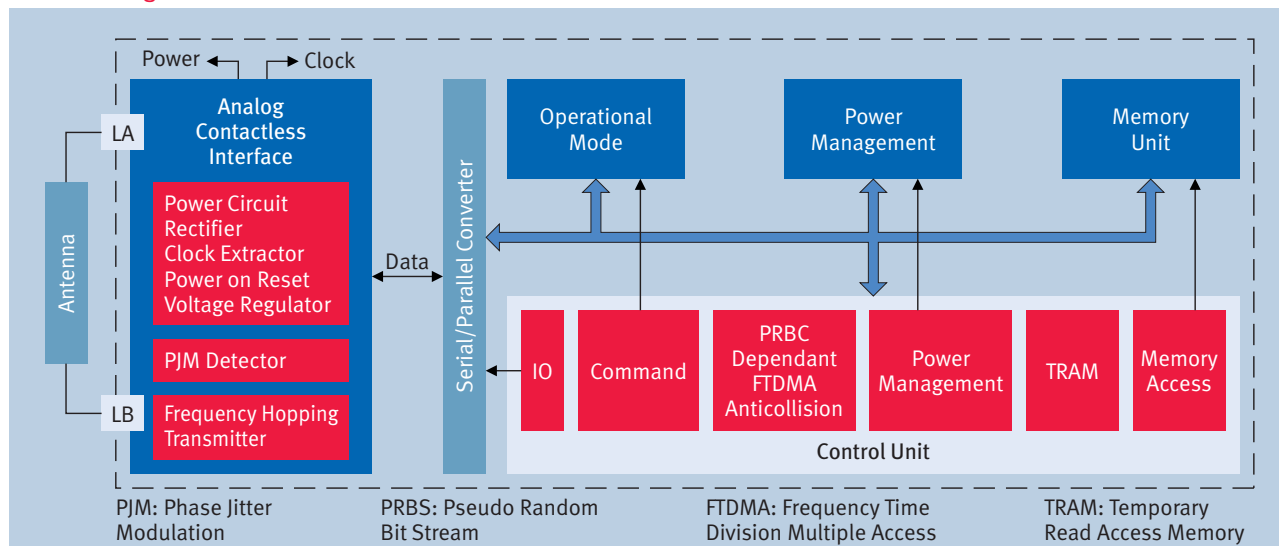
[www.infineon.com/contactless](http://www.infineon.com/contactless)

## Chip Card & Security ICs



Never stop thinking

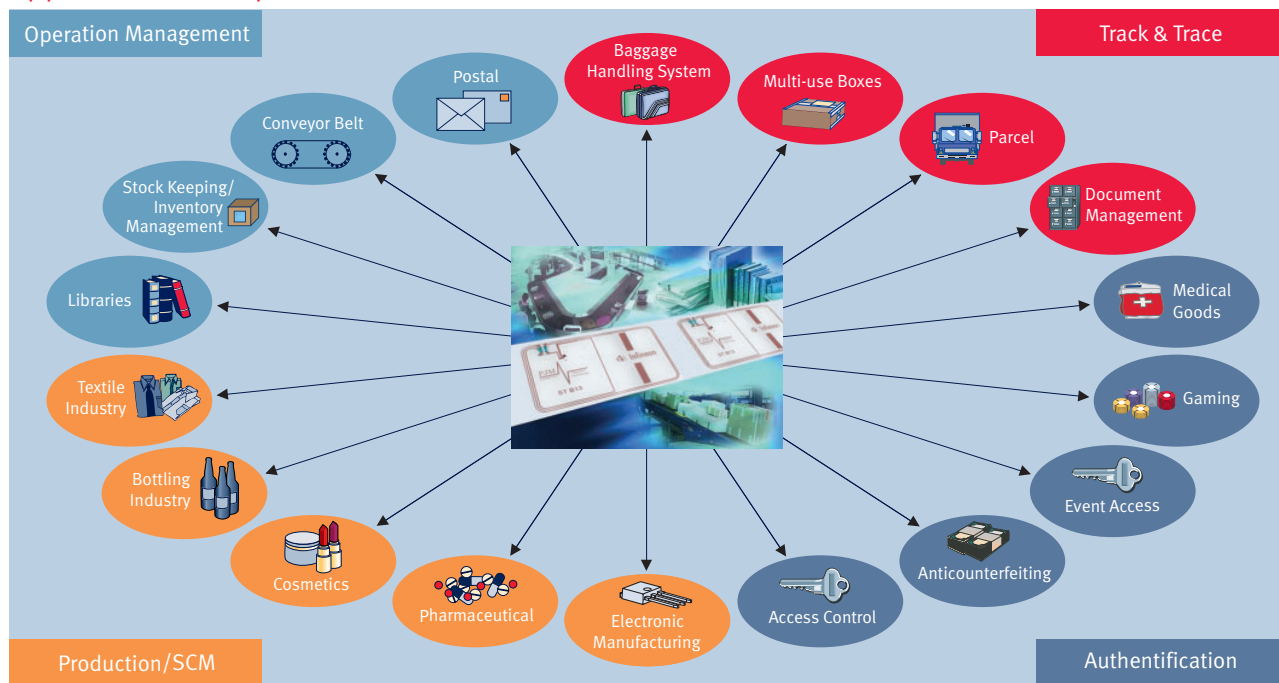
## Block Diagram



## Product Summary

Type	Sales Code	Package
SRF 66V1oIT	on request	die, inlay, module
SRF 66V1oST	on request	die, inlay, module

## Application Example



For further information, please contact:

Infinion Technologies AG, Call and Support Center, Tel: +49 89 234 80000, e-mail: security.chipcard.ics@infineon.com

How to reach us:

<http://www.infineon.com>

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 81726 München, Germany

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