

What competition?



The new TI-RFid™ TRF796x HF reader ICs have the highest integration and low power consumption.

HF-Specifications	Competitors	TI TRF796x
Standards	14443A and/or 15693	14443A/B, 15693, Tag-it™
Vcc	2.7 V, 3.3 V or 5 V	2.7-5.5 V range
Ipd	1 µA-6 mA	<1 µA
Irx	11-140 mA	10 mA
Pkg	S020, 32LBGA36 SSOP20	QFN32 (5 mm × 5 mm)
DR	106, 212 and 424 Kbps	106, 212, 424 and 848 Kbps
Framing	Limited	Included

TI-RFid TRF7960 RFID Device Supports ISO14443A/B, ISO15693 and Tag-it™ Transponders

Applications:

Point of Sale (POS) – ePayment, eMetering

Transportation – Mass transit billing and access

Security/Access Control – Hotel keys, digital door locks and parking systems

eDocs – ePassport, eGovernment and eHealthcare

TI-RFid TRF7961 RFID Device Supports ISO15693 and Tag-it™ Transponders

Applications:

Medical – Medical meters, patient management, records and product authentication

Pharmaceutical – Product authentication, tracking and dispensing

Library and Laundry – Asset tracking and management

Security/Access Control – Hotel door locks, digital door locks and parking systems

Toys – Authentication

Benefits

- Wide 2.7 V to 5.5 V input supply range
- Integration enables a reduction in the bill of materials, decreasing system costs
- Low-power ICs with seven user-selectable power modes for maximizing battery life
- Pin-for-pin compatible ICs allow hardware reuse for different requirements
- 32-pin QFN (5 mm × 5 mm)
- Enables customers to design ultra-small reader modules and systems

Configurability/Flexibility

- Configurable I/O levels
- 12 user accessible and controllable registers
- Parallel or serial, four-pin SPI interface
- FREE MSP430 source code available through software license agreement

Integration

- Fully integrated protocol handling, packetization and error checking
- High data-rate support up to 848 Kbps
- Multiple, integrated LDOs with high PSRR
- Single xtal design for both reader and micro
- Clock output for microcontroller minimizes total bill of materials
- Dual, independent AM and PM (phase modulation) receivers with RSSI readings
- Programmable output power, 100 mW and 200 mW
- Seven user-programmable power modes make it ideal for battery-operated devices
- Ultra-small 32-pin QFN package for ultra-small reader systems



Make your development easier and get to market quicker – order your TI-RFid TRF7960 evaluation module now.

EVM includes:

- EVM board
- EVM User Guide
- GUI
- BOM, schematic and Gerber files
- MSP430 source code available
- Applications support collateral

To download TI-RFid data sheets, get more information and order tools and samples, see www.ti.com/trf796x, e-mail rfidsupport@ti.com or call **800-962-RFID (7343)**.