

## ***TI-RFid's™ Access Control Product Family***

### ***Description***

Texas Instruments' RFID line of 13.56 MHz badges and readers, brings the access control market the superior security, faster transfer speed, and 2000-bit memory of the ISO 15693 vicinity card standard, delivered by the global leader in RFID solutions.

As a pioneer in 13.56 MHz technology who has built innovative solutions from retail and logistics tracking to wireless payments systems, Texas Instruments is harnessing this powerful technology for the security and access control industry.

With its global manufacturing capacity

and a track record of 180 million RFID tags deployed worldwide, TI-RFid Systems is a full-service partner for 13.56 MHz systems solutions. Integrating every step of the production process from chips to cards to readers, TI provides quality volume production for the up-to-the minute needs of the market.

### ***TI-RFid - Bringing a 13.56 MHz Alternative to the Market***

Security and access control providers are embracing the ISO 15693 vicinity card standard because of its new level of security and authentication,

### ***Key features:***

- Universal Wiegand Support
- ISO 15693 Compliant
- 2000-Bit Memory Badges
- Unique ID Code
- Multi-card Simultaneous Identification

interoperability across all suppliers and applications, faster data transfer and multiple card reading capability. Texas Instruments' 13.56 MHz products offer 2000-bit memory for stronger encrypted security, on-the-fly data programming directly on the card, and the data capacity to handle new solutions like biometrics authentication, or payment and transaction systems.

TI provides enhanced functions for today's access control solutions -- all at a cost comparable to traditional 125 kHz proximity cards.



*TI-RFid's Access Control Family*

## 13.56 MHz Vicinity Cards



Hundreds of millions of badges each with a unique and tamper-proof ID code, provide the assurance that no two badges - or people - anywhere in the world will be misidentified. With TI's factory-programmed ID code, it's virtually impossible to forge or

duplicate a badge. Yet with in-the-field programmability, additional data like time stamps or new authorization codes can be created and updated on-the-fly.

With 2000 bits of data, more than 50 times that of 125 kHz cards, TI's 13.56 MHz solution has the data depth to deploy powerful security and authorization applications. Data written and stored on the card, independent from a host system, means employees carry vital information like access codes, certification or emergency medical histories. Enhanced memory also paves the way for advanced security features like

encryption algorithms and biometrics.

TI-RFid 13.56 MHz cards are also fully compatible with ISO/IEC 15693 vicinity card standards, enabling an open standard for interoperability across all systems

Available in standard ISO 7810 card format for high quality graphics printing, 13.56 MHz cards and inlays are also available in a range of sizes and forms including labels that can be used to upgrade existing badges. Additional options include magnetic stripe, custom data programming, and hole punching.

## S6400 Series Readers



An enhanced read range and a faster data transfer rate make TI-RFid's 13.56 MHz S6410 and S6420 readers ideal for any

building or venue. A read range 40 % longer than traditional vicinity cards and faster read rates, means processing more people quickly and accurately - an important factor during the early-workday crunch and critical during emergencies. TI's 13.56 MHz readers also create a fast and precise multi-card read zone, eliminating read interference common when two or more conventional proximity cards are in the same read field.

Available in either a wall plate or mullion option, the two-piece reader package is easy to install in new or retrofit applications, and its attractive design fits any setting.

Texas Instruments' RFID experience, engineering depth, and quality global manufacturing come together to offer the security and access control industry a new alternative for the growing ISO/IEC 15693 13.56 MHz vicinity card and reader market.

For more information, contact the sales office or distributor nearest you. This contact information can be found on our website at:

<http://www.ti-rfid.com>

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