aptiQ™

Smart Technology

Readers, Credentials, and Alliance Program

Ingersoll Rand
Security Technologies

Ready for a breath of fresh air?

Then say hello to aptiQ.™ A forward-thinking product portfolio, plus marketing programs and support to help you focus on the future of our ever-changing security industry. aptiQ™ simplifies your transition from older security platforms with a solution for every problem, no matter how complex. aptiQ™ is ready with security solutions built for tomorrow.

▶ Are you ready?
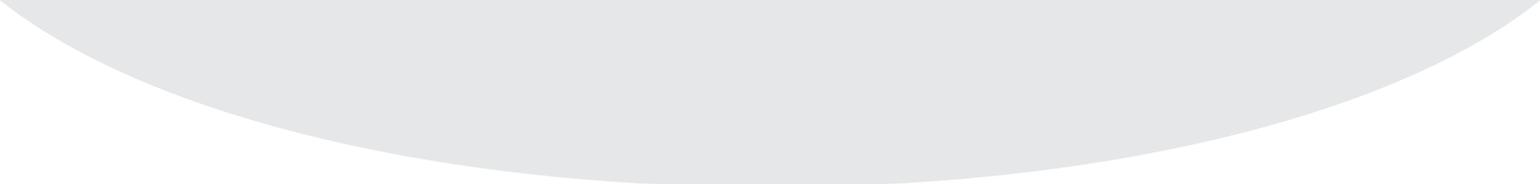
Introducing
aptiQ™ smart technology

simple. smart. better.

At the center of aptiQ™ is an open architecture multi-technology reader designed to be ultra easy, complete, and versatile. Built to work with what you have now and into tomorrow— accommodating most manufacturers' magnetic stripe cards, proximity cards, aptiQ™ smart cards, and the latest in mobile technology (NFC).

Working seamlessly alongside it, aptiQ™ contactless smart credentials with a variety of data storage options and impressive data transfer rates in an open architecture design.

All this paired with aptiQ's™ comprehensive support program that's so encompassing, it's like someone opened a door to a new day in customer service. All so you can perform like never before.
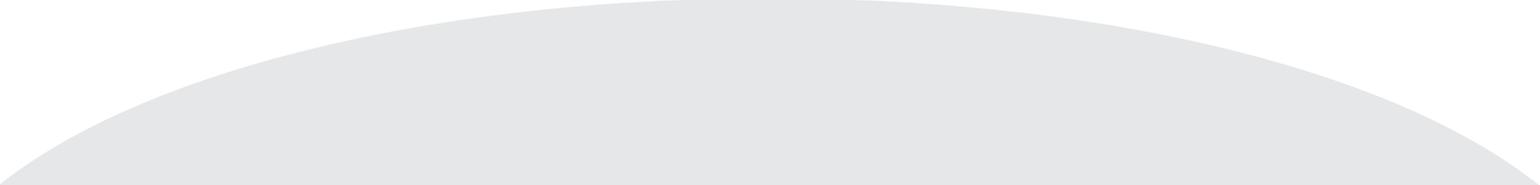
Simple means
more freedom for you.

Think about readers for a moment. How would they play a part in your integrated security solution? They would be simple and smart. Easy to install and friendly to use. Adaptable to most access control systems, pleasing in any environment, and dynamic enough to welcome any change. That's exactly why we designed aptiQ™ multi-technology readers. They are made specifically to simplify your access control solution—now and in the future.

PRODUCT FEATURES: aptiQ™ READERS

- **aptiQ™ smart technology**
  MIFARE® Classic & MIFARE DESFire™ EV1

- **Highly secure smart technology**
  Mutual authentication between the card and reader, encrypted communication, and diversified keys protect data integrity and prevent unauthorized access

- **Open architecture**
  Multi-technology reader lineup that is able to read magnetic stripe, proximity, and aptiQ™ (MIFARE® Classic and MIFARE DESFire™ EV1 smart credentials)

- **A simple transition solution**
  aptiQ™ makes your next technology upgrade simple and seamless when transitioning from magnetic stripe or proximity to smart technology

- **Attractive, modern design**
  Six contemporary designs in multiple finishes certain to complement any facility's architecture and décor

- **Near Field Communication compatible**
  Compatible with aptiQ Mobile Credentials

- **Easy installation**
  Standard wiring with quick-connect harness

- **Easy sense sight and sound indicators**
  LEDs plus audio feedback provide status for visually or audibly impaired

- **Communication options**
  A standard Wiegand output provides flexiblity in choosing access control systems, and an optional RS-485 output provides more robust security

aptiQ™
Smart Mini-Mullion
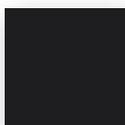Reader

Model SM10

Frequency
13.56 MHz

aptiQ™
Multi-Technology
Mullion Reader

Model MT11

Frequency
13.56 MHz and 125 kHz

AVAILABLE FINISHES:

Black
(Standard)

Cream

Cool Tone
Gray

Warm Tone
Brown

*Our readers use an open architecture design
following ISO 14443 standards and Wiegand
protocol for interoperability with many
popular access control systems.*

aptiQ™
Multi-Technology
Single Gang Reader

Model MT15

Frequency
13.56 MHz and 125 kHz

aptiQ™
Multi-Technology
Single Gang Reader
with Keypad

Model MTK15

Frequency
13.56 MHz and 125 kHz

aptiQ™
Multi-Technology
Single Gang
Magnetic Stripe Reader

Model MTMS15

Frequency
13.56 MHz and 125 kHz
Magnetic Stripe

aptiQ™
Multi-Technology
Single Gang
Magnetic Stripe Reader
with Keypad

Model MTMSK15

Frequency
13.56 MHz and 125 kHz
Magnetic Stripe

AD-Series Electronic Locks with Multi-Technology Readers featuring *aptiQ*™

We just opened up the future even wider. AD-Series electronic locks feature multi-technology readers that read a variety of proximity and smart cards. Built on the latest smart technology, AD-Series locks feature the aptiQ™ technology as an open solution that allows you to keep up with future advancements. AD-Series multi-technology readers with aptiQ™ showcase the best in speed, memory, efficiency, security, and future technologies.

Smart means you
can store more than ever before.

aptiQ™ contactless credentials:

With aptiQ™ credentials it's all about doing more with less effort. More data storage, to enable
a broader variety of unique, demanding applications like biometrics and cashless vending.
Faster data transfer for the ultimate efficiency and transaction safety. And a high-security platform,
with encryption and mutual authentication to keep people, data, and assets safe and secure.

FORM FACTORS:

| ISO-STYLE CARD | CLAMSHELL | KEY FOB | ADHESIVE PVC PATCH |

PRODUCT FEATURES: aptiQ™ SMART CARD USING MIFARE DESFIRE™ EV1

- **Superior data storage**
  2K, 4K, and 8K bytes (16K, 32K, and 64K bits)
  of memory, providing high data storage options to meet
  the most demanding application needs

- **Impressive data transfer rates**
  Up to 848 kbps baud rate. That's roughly the same as
  transferring 100 pages from an encyclopedia - every second.

- **Protects your most sensitive data with
  extra layers of security protection**
  Mutual authentication, AES 128-bit diversified key encryption,
  and message authentication coding (MAC) provides the high
  security that MIFARE DESFire™ EV1 is known for.

- **Open architecture design leaves the
  door open**
  Built to ISO 14443 standards, allowing for the addition
  of applications for biometrics, transit, and point of sale
  applications such as cashless vending and cafeteria services.
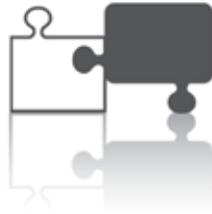
Better service.
Unheard-of support in the access control industry.

Our advanced line of high-security products comes with two distinct support programs to help you excel. The *aptiQ™ Alliance Program from Ingersoll Rand Security Technologies* is a solution provider support program so rock solid—yet so simple—it's bound to take your business to new heights. With strategic marketing programs, smart security offerings, and better relationships, you'll perform like never before.

simple. smart. better.

ELLIOTT
D A T A   S Y S T E M S,   I N C.
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IR Ingersoll Rand®

Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. Ingersoll Rand Security Technologies' market-leading products include electronic and biometric access control systems; time-and-attendance and personnel scheduling systems; mechanical locks; portable security; door closers, exit devices, architectural hardware, and steel doors and frames; and other technologies and services for global security markets. Ingersoll Rand is a $14 billion global business committed to a world of sustainable progress and enduring results.