aptiQ™

FIPS 201-1 Compliant Readers

Overview

aptiQ™ Smart and Multi-Technology Readers by Ingersoll Rand have been approved by the U.S. Government under HSPD-12 for FIPS 201-1 compliance as PIV Transparent Readers. PIV compliance is available on six reader models, including the SM10 Smart Mini-Mullion, MT11 Multi-technology Mullion, MT15 Multi-technology Single Gang, MTK15 Multi-technology Single Gang with Keypad, MTMS15 Multi-technology Magnetic Stripe and MTMSK Multi-technology Magnetic Stripe with Keypad.

aptiQ™ Multi-Technology readers are a unique and critical component of successful security upgrades in all sectors of the government. FIPS 201-1 is a Federal Information Processing Standard ("FIPS") developed by the National Institute of Standards and Technology ("NIST") to satisfy the requirements of HSPD-12, a Homeland Security Presidential Directive. One of the main objectives of HSPD-12 is to ensure government-wide interoperability for information technology and security through the implementation of a range of federal standards and product requirements. FIPS 201-1 seeks to improve identification and authentication of Federal employees and contractors for access to the Federal factilities and information systems.

aptiQ™ FIPS 201-1 PIV compliant readers are available with multiple data output formats, which provide unprecedented versatility within the PIV & PIV-I specification.

In addition to reading approved FIPS 201-1 PIV & PIV-I credentials, aptiQ™ Smart and Multi-technology readers are also compatible with many standard proximity and leading smart card technologies (see specifications). The ability to read multiple existing card types and PIV & PIV-I cards simultaneously is a tremendous benefit to those agencies looking to transition seamlessly from older proximity technologies to new, mandated PIV & PIV-I credentials. A mixed population of old prox credentials and new PIV & PIV-I credentials is unavoidable during the government's multi-year upgrade path to FIPS 201-1 compliance.

Features & Benefits

- Compatibility: compatible with industry standard magnetic stripe technology (tracks 1,2, or 3) and 125 kHz and 13.56 MHz contactless technologies
- Read Range: up to 6 inches (proximity), up to 2 inches for PIV & PIV-I credentials
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Tamper Detection
- Environment: accommodates interior, exterior, metal and non-metal installation environments

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ADDITIONAL FEATURES

- Compliance: compatible with applicable ISO standards
- Compatible with all access control systems that support Wiegand format
- Warranty: limited lifetime against defective workmanship and materials
- Additional Technologies Supported
  - Magnetic Stripe
    - Track 1, 2, or 3
  - Proximity
    - Schlage
    - XceedID®
    - HID® Proximity (certain formats)
    - GE/CASI ProxLite™
    - AWID® Proximity
  - Smart Card (secure sector only)
    - Schlage
    - aptiQ™ using MIFARE®
    - aptiQ™ using MIFARE DESFire™ EV1
    - FIPS 201-1/PIV & PIV-I
  - Smart Card (card serial number only)
    - DESFire® Application HID iClass®
    - Inside Contactless PicoTag™

ORDERING INFORMATION

SM10 - Smart Mini-Mullion Reader

MT11 - Multi-Technology Mullion Reader

MT15 - Multi-Technology Single Gang Reader

MTK15 - Multi-Technology Single Gang Reader with Keypad

MTMS15 - Multi-Technology Magnetic Stripe Reader

MTMSK15 - Multi-Technology Magnetic Stripe Reader with Keypad

aptiQ™ PIV readers have been approved by the GSA lab as compliant with FIPS 201-1 and the appropriate PIV credentials.

Please see individual data sheets for each reader for more specific technical information.

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