

SOME+  
CONFIDENCE  
LEVEL 2

# TrustPoint™

## 1-Factor Dual Interface Reader

Contact & Contactless Operation with PKI (CAK) Challenge-Response Authentication



### FEATURES

- Indoor or Outdoor Operation
- Contactless Read Distance: Up to 1.5 Inches without Concern for Orientation
- Red, Green & Yellow LED's Indicate Status
- **Operates with all Federal PIV, TWIC, FRAC & PIV-I Credentials**
- SECURELY ENGINEERED & MANUFACTURED IN THE US A
- Mode Select Option Allows Selection of "Card Only (CAK)" or "Card + PIN" (PAK) Operation
- Highly Field Configurable Firmware:
  - o CAK Challenge ON/OFF
  - o 10+ Wiegand Formats
  - o LED Format
  - o Date and Time

**U.S. Patents:**  
5,679,945  
6,223,984

### Agencies Utilizing BridgePoint Readers:

- Army
- Navy
- Air Force
- Marines
- Army Corps of Engineers
- Army Reserve
- DHS
- FEMA
- GSA

Forward Compatible  
Flash Reprogrammable  
Technology

Internal Crypto Module Processes PKI Challenge-Response to Verify the Card Authentication Certificate Private Key (CAK)

No PIN Required

Total Transaction Time:

~1.5 Sec on RSA 1024 Key

~2.5 Sec on RSA 2048 Key

TrustPoint Readers are designed to deliver security levels defined by NIST and OMB as "SOME PLUS" (Level 2), "HIGH" (Level 3) and "VERY HIGH" (Level 4). The security level depends on the Authentication Factors and the Public Key Infrastructure (PKI) mechanism that is implemented. The TrustPoint 2-Factor Dual Interface Reader supports the Personal Authentication Key (PAK) over the contact interface for all compliant Personal Identity Verification (PIV) Credentials including the PIV, TWIC, FRAC and PIV-I. The PIN is required to challenge the PAK, making this a 2-Factor authentication process.

The Reader also supports the Card Authentication Key (CAK) over the contactless interface. No PIN is required which makes this a 1-Factor authentication process (NOTE: the DoD CAC and the DHS issued PIV currently do not have a CAK and therefore do not support PKI on the contactless interface).

## PHYSICAL ACCESS SOLUTIONS

### SPECIFICATIONS

#### PART NUMBER

74-01-4012

#### STANDARDS SUPPORTED

- ISO 14443 Contactless Card-to-Reader Interface
- ISO/IEC 7816-3 Class A
- FIPS-201
- NIST 800-73 & 800-116
- GSC-IS 2.3E

#### US FEDERAL GOVERNMENT CREDENTIAL SUPPORT

- CAC, CAC Transitional, CAC End Point
- PIV, TWIC, FRAC, PIV-I

#### LOGICAL & CARD READ PERFORMANCE

- Type A and Type B Contactless Transmission Protocols
- Supports Collision Detection (Multiple Cards in Proximity) for both Type A and Type B
- Contactless Read Range: 95+% at 1.5 inches (4 cm)
- Maximum Read Range: less than 4 inches (10 cm)
- Supports Accelerated Transmission Bit Rates 106, 212 and 424 Kbits per second
- Default FASC-N format as defined in NIST 800-116 (Agency Code, System Code, Credential Number, Issue Code and Series Issue)
- Supports GUID

#### PHYSICAL

- High impact weather resistant polycarbonate
- Dimensions: 6.67" high x 4.63" wide x 2.25" deep

#### USER I/O

- Red, Yellow & Green LED's
- Audible Speaker

#### ENVIRONMENTAL

- Indoor or Outdoor.
- -25° F to + 150° F (-32° C to + 66° C)
- UL rain tested design
- 95% relative humidity (non-condensing)
- Weatherized shield recommended for outdoor installations

#### INSTALLATION

- Mounting Plate (included) with 4 screws appropriate for wall material.

#### SYSTEM INTEGRATION

- Cisco Systems
- General Electric
- Lenel
- Quintron
- Honeywell/Vindicator
- AMAG/KABA/Hirsch/Galaxy
- Software House
- Schneider/TAC/Andover Controls
- Contact BridgePoint for Additional Integration Updates

#### ELECTRICAL

- **Access System Input:**  
Terminal Block or RJ-45 Connectors  
Power: 12 Volt DC
- **Access System Outputs:**  
48 bit to 200 bit Wiegand, RS 485, Mag Stripe.

#### WARRANTY

- 12 Months from Date of Purchase

#### TECHNICAL SUPPORT

- 866-562-5875; 08:00 to 17:00 Pacific Time M-F

### ABOUT BRIDGEPOINT

BridgePoint secures facilities operated by the Federal Government and providers of critical infrastructure with trusted physical access solutions that are compliant with Federal security standards and guidelines. BridgePoint is a recognized technology leader with highly innovative solutions and our strong authentication technology is unprecedented in the security industry. Customers include the DoD, a number of government agencies and many large integrators. BridgePoint was recently selected as one of only two providers to demonstrate its trusted PACS solution as a GSA sponsored Federated PACS Demonstration Project. BridgePoint was founded in 1995 and is located in the San Francisco Bay Area. Information on BridgePoint can be found on the web at [www.bridgepointsystems.com](http://www.bridgepointsystems.com).