

## 4G PIV•TWIC Station

### Features at a glance

- Biometric Verification with both PIV and TWIC Credentials
- Supports standard MIFARE and DESfire Cards
- TPK reading capabilities at the reader
- Full IP and POE Enabled (Optional Wireless LAN WiFi)
- Option to Display 2D Color Image from PIV or TWIC Cards
- PKI Enabled Authentication Options
- Advanced Authentication Options for PIV and TWIC (see specs on reverse)
- Built in Contact and Contactless Smart Card Readers.
- FIPS201 Approved 500dpi Sensor
- Field Replaceable Sensors
- Powerful Administration Software
- Flush Mounted "Quick-Tilt" Access for Easy Maintenance
- POE is Standard
- Standalone Door Access Control (SDAC) Capabilities
- TWIC ICE Approved

### Deploy with Confidence Using Proven PIV and TWIC Solutions

Designed from the ground up to meet PIV and TWIC requirements as well as operate with off the shelf cards such as MIFARE and DESFire. The device is built on our new 4G platform incorporating innovative and powerful capabilities and is ready for future expansion as security requirements continue to evolve.



### Meet Specialized Requirements with a Solution Purpose Built for PIV and TWIC

Why have multiple readers for different credentials when one can do it all. Works with PIV, TWIC, CAC-EP, MIFARE and DESFire credentials.

- Accommodate MARSEC and threat level security requirements with the ability to operate in several operational modes.
- Provide additional levels of security at supervised checkpoints and display the color photo image extracted from a PIV or TWIC card in real-time.
- Achieve Faster throughput – users are presented with Intuitive feedback and clear indication of access status displayed with LED's and the LCD screen.

### Prepare for the Demands of Today and the Future with a Scalable Platform

Unparallel deployment flexibility and the ability for the system to expand over time address today's demands and will be drivers for future requirements.

- Address a wide range of deployment scenarios with built in embedded processing capabilities with power in reserve for future applications.
- Be prepared for future expansion requirements with tremendous storage capabilities for biometric templates, event logs, TPK's, CRL's and Hotlists.
- Provide Real-time information as the environment changes - enhanced messaging capabilities for real-time threat level communication.

### Reduce Install and Maintenance Costs

Drive down the cost of ownership with innovative installation and maintenance capabilities.

- Overcome cabling challenges with built in WiFi capabilities.
- Quickly perform maintenance with our Innovative field replaceable sensor modules.
- Leverage Existing Infrastructure - Integrated with leading access control panels.
- Take full advantage of IP connectivity for Remote device management.

## 4G PIV•TWIC Station™ Product Specifications



BIOSCRYPT  
ENTERPRISE ACCESS SOLUTIONS

Dimensions	Height 6.27" (159 mm) Width 6.47" (165 mm) Depth 2.25" (57 mm)
Communications	Networking Options: LAN, WAN, RS485, Optional Wireless LAN WiFi (802.11b and 802.11g) PC Connection: USB, RS232
External Media	USB memory
Input / Outputs	Wiegand (FIPS 201 and TWIC formats supported + up to 512 bit configurable) 3 General Purpose Inputs 3 General Purpose Outputs (Extendable to 6 outputs)
Fingerprint Sensor	UPEKTCS1 (500 dpi, FIPS 201 Approved)
Integrated Card Reader Options	Contactless and Contact readers available
Supported Cards	PIV, TWIC, CAC-EP, MIFARE, DESFire
Transaction Log Capacity	1 Million transaction logs stored on device
TPK Storage Capacity	1 Million TPKs stored on device
TWIC Hotlist	Ability to store locally on device
CRL (Credential Revocation List)	Ability to store locally on device
PIV Card Authentication	CHUID (unsigned CHUID) CHUID (Authenticated) CAK Authentication Biometric Authentication Biometric (Authenticated) Authentication PKI (Active card authentication for PIV) CAK + Biometric (Authenticated) PKI + Biometric (Authenticated)
TWIC Card Authentication Capabilities	Signed CHUID Verification Unsigned CHUID Verification Active Card Authentication CHUID Verification + Biometric User Verification CHUID signing certificate + Active Card Authentication + Biometric User Authentication
TWIC Privacy Key (TPK) Retrieval Options	Read from card with Mag-Stripe or contact reader at time of transaction Ability to store up to 1 Million TPKs locally at the device Ability to retrieve TPK from 3rd party systems (integration required)
Additional Card Options	MIFARE and DESFire (Finger + Card)
Power over Ethernet (POE)	Standard
Display	2.5" QVGA Color LCD
Keypad	3x4 Backlit Keypad (Blue) / Multi Directional Navigation Keys
Voltage	12 - 24V DC
Current Draw	500 mA, 0.5 amps @ 12 VDC
Power Indicator	LED indicator (Blue)
Integrated Door Relay	Deadbolt, electromagnetic (EM) lock, door strike, automatic door
Mounting	Flush mount with quick-tilt top design & field replaceable sensors for easy maintenance
Operating Temperature	32° - 140°F (0° - 60°C)
Regulatory Approvals and Certifications	FCC, CE (R&TTE), RoHS,
TWIC Approvals	Completed TWIC ICE for readers using TWIC TPK and TWIC reference biometrics. (Can be found on DHS Initial Capability Evaluation List)
FIPS 201 / PIV Approvals (Pending)	FIPS 201 Evaluation Program Approved Products List (APL) Pending Approvals for: CHUID Reader Contactless and CHUID Reader Contact
Administration Software Options	Works with SecureAdmin™ software or SecureSDK™

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### Device Models

4G PIV-TWIC Station (G)  
Integrated Contactless Smart Card Reader

4G PIV-TWIC Station (G,GC)  
Integrated Contactless and Contact Smart Card Reader

### Device Options

- Integrated Wireless LAN
- Desktop Stand

### About L-1 Identity Solutions Enterprise Access Division

With over 350,000 readers deployed in over 90 countries, the Enterprise Access Division of L-1 protects and secures identities and assets by helping customers address demanding access control and identity authentication requirements with innovative and reliable systems.

#### Our Advantage:

- One of the most established companies that specialize in biometric access control solutions.
- Market-tested and customer proven solutions that are interoperable, and designed to grow with you.
- Knowledgeable technical support team ready to help answer your questions and get you up and running.

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