

## PIV CHUID Reader

Dual-Interface: Contact (ISO 7816) & Contactless (ISO 14443)

|                                 |  |
|---------------------------------|--|
| <b>Power Supply</b>             | +12V DC +/- 5% @<br>600 mA   |
| <b>System Interface</b>         | Wiegand D0 / D1<br>TTL Clock / Data<br>for SEIWG emulation<br>RS232 / RS485            |
| <b>Smart Card Interface</b>     | FIPS 201 / HSPD-12<br>Compatible:<br>—ISO 7816, T=0 or T=1<br>—Mediametric® chip cards |
| <b>Authentication/ Security</b> | PACS (Low-Medium-High)   |
| <b>Integrated LCD Display</b>   | 2 Lines  |
| <b>Reader LEDs</b>              | Red/Green Indicator LEDs<br>Controlled by A/C Panel                                    |
| <b>Lifetime</b>                 | ICC Contact: minimum<br>500,000 contacts   |



### Form Factor

Flush and/or Surface Mount. Stainless steel face plate with rugged steel casing. Compact (face plate: 5.51" wide × 6.7" high × 2" deep; rear housing: 4.3" wide × 5.1" high × 1.7" deep); Single-gang for RFID Module.

| Block Connector Position | Assigned Name    | Description                                |
|--------------------------|------------------|--|
| 1                        | +12VDC           | +12 VDC SUPPLY VOLTAGE                     |
| 2                        | RELAY COM        | RELAY COMMON CONTACT                       |
| 3                        | RELAY N.C.       | RELAY NORMALLY CLOSED CONTACT              |
| 4                        | RELAY N.O.       | RELAY NORMALLY OPEN CONTACT                |
| 5                        | XBUS1 D0         | XBUS1 DATA LINE 0 / WGND DATA 0            |
| 6                        | XBUS1 D1         | XBUS1 DATA LINE 1 / WGND DATA 1            |
| 7                        | XBUS2 D0         | XBUS2 DATA LINE 0                          |
| 8                        | XBUS2 D1         | XBUS2 DATA LINE 1                          |
| 9                        | SERIAL RS-232 TX | RS-232 PORT TRANSMIT                       |
| 10                       | SERIAL RS-232 RX | RS-232 PORT RECEIVE                        |
| 11                       | RS485 +          | SERIAL 485 COMMUNICATION +                 |
| 12                       | RS485 -          | SERIAL 485 COMMUNICATION -                 |
| 13                       | SI-1             | SUPERVISED INPUT                           |
| 14                       | AUX-1            | NON-SUPERVISED INPUT                       |
| 15                       | LED RED          | RED LED CONTROL LINE                       |
| 16                       | LED GREEN        | GREEN LED CONTROL LINE                     |
| 17                       | +5VOUT           | +5 VDC SUPPLY VOLTAGE (OUTPUT, 300 mA Max) |
| 18                       | GND              | GROUND                                     |

XTec Model X10020 Contactless CHUID Access Control Reader consists of an XTec X10000 Reader (with a PIN pad and LCD display) and an X9921 Contactless RFID module. Its dual-interface permits verification of PIV-II credentials in a contact or contactless environment. The X10020 accepts all types of smart cards. XTec Access Control Readers are fully interoperable and compliant with the Federal Government's PIV and GSC-IS Interoperability Specification.

*The photos or illustrations shown in this document are representative and may not portray the exact product specified by the user. The manufacturer publishes product photos as representatives of what is often a wide range of variations on a given basic product. Do not attempt to connect any wire, terminal point, or other connections not listed in the wiring diagram. All information contained herein is subject to change without notice.*