

Specifications

Stealth Bio-Q Reader

#105

A Multifactor Credential Reader incorporating Real Time Face Authentication comparing the captured facial image with the electronic image contained on the credential.



- Multifactor Authentication for government credentials including PIV, PIV-I, CAC, TWIC and any ISO 7816 or ISO 14443 based credential with a stored electronic facial image
- Reader Authentication Functions include Contactless and Contact Card Read Interface, Keypad, Facial Imaging Biometrics
- Operates in Traditional (Wiegand) or Trusted (RS-485 & OSDP) PACS settings
- FICAM capable for high-assurance operation
- LED audible signaling; keypad with tactile feedback; intuitive prompting simplifies instructions to cardholder; light bar indicates access status
- Stealth Reader Series Unified Architecture

Facial Imaging

- Fast and Smart AI Optimized for Facial Recognition Access: NPU-optimized AI algorithm offers the highest standards in facial recognition accuracy and speed.
- Compatible with Facial Variations: Use dynamic face templates to increase matching performance with faces wearing masks, glasses, hats, beards, different hairstyles, etc.
- Protected Against Facial Spoofing: Detect fake faces, images, and photos to safeguard against facial spoofing.
- Reinforced user privacy and biometric data protection: Embedded with U.S NIST FIPS197 validated AES256 and ED25519 key exchange algorithm; embedded with Secure Element(SE) that stores encryption key to prevent cyber-attacks.
- Dual camera system (RGB + IR), 1/2.8 CMOS, 4EA IR LED (850nm); Vertical viewing angle of 65° for ADA compliancy.
- Accuracy: FRR 1% @ FAR 0.000001% (1/100,000,000)

• TECHNICAL NOTE •

Specifications

Stealth Bio-Q Reader

PN900W2031	Specifications
Biometrics	Facial Imaging
Card Read Interface	Dual: Contact/Contactless
Status Indicators	Keypad with Indicators and Access Status Light Bar
Keypad	Illuminated with Tactile Feedback
Transmit Frequency	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning) & ISO 7816 (Contact)
Credentials	MIFARE/DESFire; Read multiple variants of FIPS 201 cards including: PIV, PIV-I, CAC, CIV, TWIC and FRAC
High Assurance Modes	CHUID/CAK/PKI
Dimensions	7.00" X 4.00" X 1.5" (17.78 cm x 10.16 cm x 4.0 cm)
Weight	1.2 lb (544g)
Mounting	Single Gang Style
Color	Black
Housing Material	Polycarbonate Blend: meet all ISO, UL & IES requirements
Power Requirements	12 V at 500 ma
Operating Temperature	-10 °C to + 50 °C
Operating Humidity	5% to 90% relative humidity
Environmental	IP 65 rated
Wiring Connections	Custom connector, 24" - 10 wires
Certification Pending	GSA APL, UL294, FCC Certification (US), IC (Canada), CE (EU)
Warranty	1 year