

For Veridt Readers with Base Part Number:

900W2026

900W2027

900W2030

900W2031

900W2036

900W2037

General Information

Veridt Stealth series readers are designed to be operated as a Class 1 access control system component for use without requirements to withstand a destructive attack. A Tamper Indicator switch is available to provide a supervisory indication to the PACS in the event the reader is removed from its installed location.

Veridt Stealth series readers are designed to meet the requirements of the National Electrical Code for Class 2 systems and are intended to be used with UL294 listed control equipment.

The installation of these readers, and the materials used for installation, should be in accordance with the location requirements and the wiring methods defined by the National Electrical Code for Class 2 systems. Connect only to a Listed Access Control/Burglary power-limited power supply.

Installation should be performed by qualified individuals who have the skills and knowledge related to the installation and operation of the equipment and have received the proper safety training to recognize and avoid any hazards that may be involved.

Stealth readers are designed for use in a wide range of environmental conditions. Biometric readers should be mounted to protect the surface of the fingerprint sensor from accumulating water on its surface. A rain shroud may be required

To prevent corrosion on the Stealth Reader main cable, we recommend that all readers installed outside should use a Silicone Dielectric Grease for Electrical Connectors. Apply the Silicon Dielectric to connector recessed in the back of the reader.

Stealth series readers have no user replaceable components. Any unit that does not operate properly must be returned to the factory for any service requirements

Stealth series readers come preconfigured and require no user programming.

Stealth series readers require no periodic maintenance or calibration. If it becomes necessary to clean the outer surfaces, use a moist, non-abrasive cloth with a mild detergent and gently wipe the external surfaces. Do not immerse the reader.

Successful operation of the reader is indicated by the access control system granting access to a valid, registered card and denying access to an invalid or non-registered card.

• TECHNICAL NOTE •

Specifications

Stealth Reader

Stealth Series and Part Numbers - Overview



Reader Name	Stealth Bio-Q	Stealth Bio	Stealth Dual	Stealth	Stealth Dual Lite	Stealth Lite
Part Number	900W2031	900W2030	900W2036	900W2026	900W2037	900W2027
Multifactor	3-Factor	3-Factor	2-Factor	2-Factor	1-Factor	1-Factor
Biometrics	Facial Imaging	Fingerprint				
Keypad	✓	✓	✓	✓		
Contact	✓	✓	✓		✓	
Contactless	✓	✓	✓	✓	✓	✓
FIPS 201 Certified	APL# 10187	APL # 10092 EWAC -10031	APL # 10093 EWAC -10032	APL # 10095 EWAC -10034	APL # 10092 EWAC -10033	APL # 10096 EWAC -10034

Communication Options	Non Prox	Prox Option
Wiegand custom output options available	Per Spec	Per Spec
Wiegand - 200bit Standard	WXYON	WXYOP
Serial RS 485	DXYON	DXYOP
RMDC Secure Communications Module (EWAC)	EXYOB	EXYOP
HID-PAM (RS-485 Full Duplex)	PXYON	PXYOP
OSDP for HID embedded validation	OXYON	OXYOP
OSDP for TI Entrypoint embedded validation	QXYON	QXYOP
OSDP for Software House embedded validation	RXYON	RXYOP
Identity One FIPSLink validation	SXYON	SXYOP

Authentication Modes	
Non-FICAM	FICAM
1-Factor: Card Only	FICAM
2-Factor: Card + PIN	CAK
3-Factor: Card + PIN + Bio	PKI
Panel PIN	
Custom PIN Pass Through	

Stealth Series - 3-Factor Readers Detail

Biometric 3-Factor Readers	 Patent Pending	
Reader Name	Stealth Bio-Q	Stealth Bio
Part Number	900W2031	900W2030
FIPS 201 APL #	10087	APL # 10092 EWAC -10031
Biometrics	Facial Imaging	Fingerprint
Footprint	7.0 x 4.0" x 1.5" 17.78cm x 10.16cm x 3.81cm	7" x 3" X 1.5" 17.78cm x 7.62cm x 4.0cm
Weight	1.5 lb (510g)	1.0 lb (454 g)
Card Read Interface	Dual: Contact & Contactless	
Transmitting Frequency & Standards	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning) & ISO 7816 (Contact)	
Transmitting Frequency Optionally available	Not Available	125 KHz
Credentials	PIV, IV-I, CAC, TWIC, TWIC NexGen, FRAC, CIV	
Data Output	Wiegand & RS-485 Standard RS-485 Half-Duplex Standard, Full-Duplex Option available	
Status Indicators	Light Bar LED Indicators	
Keypad	Illuminated with tactile feedback Card PIN is default	
Mounting	Single Gang Style	
Color	Black	
Housing Material	Polycarbonate Blend: meet all ISO, UL & IES requirements	
Power Requirements	12 V at 500 mA	12 V at 400 mA
Operating Temperature	-40 °F to 158 °F (-40 °C to + 70 °C)	
Operating Humidity	5% to 95% relative humidity	
Environmental	IP 65 rated	
Wiring Connections	Custom connector with 24" (10 wire) pigtail	
Certifications	UL 294 and all other UL by reference, FCC, ETL listed	
Warranty	18 Months	

• TECHNICAL NOTE •

Specifications

Stealth Reader

Stealth Series - 2-Factor Readers Detail

Non-Biometric 2-Factor Readers		
Reader Name	Stealth Dual	Stealth Dual Lite
Part Number	900W2036	900W2026
FIPS 201 APL #	APL # 10093 EWAC -10032	APL # 10095 EWAC -10034
Footprint	5.5" x 3.0" x 1.5" (13.97cm x 7.62 cm x 4.0 cm)	
Weight	0.7 lb (320g)	
Card Read Interface	Dual: Contact & Contactless	Dual: Contact & Contactless
Transmitting Frequency & Standards	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning) & ISO 7816 (Contact)	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning) & ISO 7816 (Contact)
Transmitting Frequency Optionally available	125 KHz	125 KHz
Credentials	PIV, IV-I, CAC, TWIC, TWIC NexGen, FRAC, CIV	
Data Output	Wiegand & RS-485 Standard RS-485 Half-Duplex Standard, Full-Duplex Option available	
Status Indicators	Light Bar LED Indicators	
Keypad	Illuminated with tactile feedback Card PIN is default	
Mounting	Single Gang Style	
Color	Black	
Housing Material	Polycarbonate Blend: meet all ISO, UL & IES requirements	
Power Requirements	12 V at 400 ma	
Operating Temperature	-40 °F to 158 °F (-40 °C to + 70 °C)	
Operating Humidity	5% to 95% relative humidity	
Environmental	IP 65 rated	
Wiring Connections	Custom connector with 24" (10 wire) pigtail	
Certifications	UL 294 and all other UL by reference, FCC, ETL listed	
Warranty	18 Months	

• TECHNICAL NOTE •

Specifications

Stealth Reader

Stealth Series - 1-Factor Readers Detail

Non-Biometric 1-Factor Readers		
Reader Name	Stealth	Stealth Lite
Part Number	900W2037	900W2027
FIPS 201 APL #	APL # 10092 EWAC -10033	APL # 10096 EWAC -10034
Footprint	5.5" x 3.0" x 1.5" (13.97cm x 7.62 cm x 4.0 cm)	
Weight	0.7 lb (320g)	
Card Read Interface	Dual: Contact & Contactless	Contactless Only
Transmitting Frequency & Standards	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning) & ISO 7816 (Contact)	ISO 14443 (13.56 MHz Contactless with Optimized RF Tuning)
Transmitting Frequency Optionally available	125 KHz	125 KHz
Credentials	PIV, IV-I, CAC, TWIC, TWIC NexGen, FRAC, CIV	
Data Output	Wiegand & RS-485 Standard RS-485 Half-Duplex Standard, Full-Duplex Option available	
Status Indicators	Light Bar LED Indicators	
Keypad	Illuminated with tactile feedback Card PIN is default	
Mounting	Single Gang Style	
Color	Black	
Housing Material	Polycarbonate Blend: meet all ISO, UL & IES requirements	
Power Requirements	12 V at 400 ma	
Operating Temperature	-40 °F to 158 °F (-40 °C to + 70 °C)	
Operating Humidity	5% to 95% relative humidity	
Environmental	IP 65 rated	
Wiring Connections	Custom connector with 24" (10 wire) pigtail	
Certifications	UL 294 and all other UL by reference, FCC, ETL listed	
Warranty	18 Months	