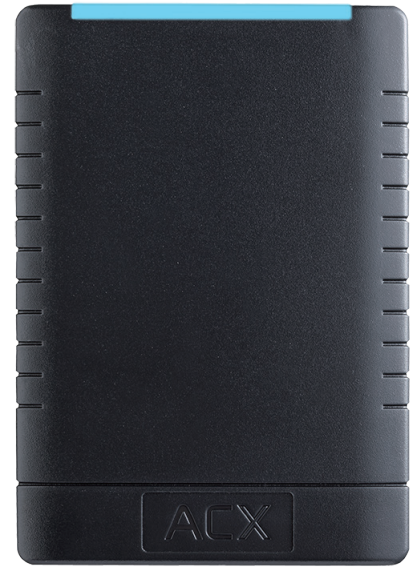


F4 mini Contactless Dual Technology Smart Card Reader is a user-friendly and high-security physical access control reader. It is waterproof and made of high-quality materials to enhance reliability and longevity, hence suitable for both indoor and outdoor installations.



FEATURES

- Waterproof - IP67
- Impact Test - IK06
- High temperature test - 65C certificate
- Optical sensor for tamper protection
- 13.56MHz and 125KHz dual technology
- 13.56MHz for Mifare CSN, iCLASS CSN, 125Hz for EM4002 and Proximity
- Red / Green / Blue / Amber / Purple / Light Blue / Light Purple LED bar user-defined LED ON / OFF time interval
- User-defined access granted/denied LED, reader buzzer for audio notification
- Internal buzzer, user-defined buzzer ON / OFF time interval
- User defined "I Am Alive" feature
- Reader interface output - Wiegand / CLock & Data / ACX scramble RS485 output



SPECIFICATIONS

F4 Mini Contactless Dual Technology Smart Card Reader	
Model Number	91HF04-9419
Card Technology	13.56 MHz for Mifare CSN and iCLASS CSN, 125 KHz for EM4002 and proximity
ISO Standard	ISO14443A / B ; ISO15693
Transmit Frequency	13.56 MHz & 125 KHz
Typical Read Range	ISO card : 5cm Typical read range achieved in air; different types of metal will cause some degradation Use spacers to space product off metal and improve read range if required.
"I Am Alive"	User-defined 1 byte "I Am Alive" data at a certain interval, applied for Wiegand interface
Card Number Format	Any card number format, max 64 bits card number
Reader Cable	Pigtail, 10 wires reader cable
Mounting	Wall switch size, designed to mount and cover single-gang switch boxes primarily used in the Americas. It includes a slotted mounting plate for European and Asian back box spacing
Visual Indicator	Red / Green / Blue / Amber / Purple / White / Light Purple, user-defined LED ON / OFF time interval
Audio Indicator	Internal buzzer, user-defined beep sound ON / OFF time interval (ms)
Color	Dark Gray or White
Dimension	80mm x 115mm x 20mm
Product Weight	90g
Operating Voltage	9-16 VDC, Linear supply recommended
Operating Current	100mA AVG, 120mA PEAK
Operating Temperature	-31° to 150° F (-35° to 65° C)
Storage Temperature	-67° to 185° F (-55° to 85° C)
Operating Humidity	5% to 95% relative humidity non-condensing
Waterproof	IP67
Impact Test	IK06
Housing Material	Polycarbonate
Cable Distance	RS485 interface: 4000 feet (1200 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent