



Ethos™ PKI Readers

Wavelynx Technologies' line of contactless Ethos PKI Readers are designed for the highest of security needs. These readers feature an entirely different type of encryption than our standard readers, enabling government database FIPS 201-2 to verify user identity. Designed for Open Supervised Device Protocol (OSDP), the readers can accommodate Wiegand panel communication to ensure a seamless transition from other credential technologies. This line of readers is fully compliant with the SIA OSDP™ protocol for validation of PKI based Smart Cards. Your user can choose between mullion or single gang mounting options, with option for a backlit metal keypad for durable multi-factor authentication.

Equipped with our patented OSDP Auto-detect feature, these readers enable an extremely cost-effective transition. OSDP secure file transfer functionality ensures remote updates of the readers for disabling proximity card support upon completion of transition or remote firmware updates.



KEY FEATURES

- Compliant to NIST SP-800-116
- OSDP Compliant to IEC CDV 60839-11-5:2018
- OSDP Secure Channel and remote firmware upgradability
- Supports CHUID identification and forwarding
- Credential verification mode per OSDP specification
- Reads FIPS 201 type of smart cards
- Accelerometer-based tamper detection
- Tri-state LED light bar (red, green, amber) and audible beeper
- Robust metal wall mounting plate
- IP55 rated to accommodate indoor, outdoor installation environments



TECHNICAL SPECIFICATIONS



Features

RF Technologies

13.56 MHz
125 kHz & 13.56MHz

Mullion Model ET10

Part Number

ET10-2PS
ET10-3PS

Single Gang Model ET20

Part Number

ET20-2PS
ET20-3PS

Keypad Model ET25

Part Number

ET25-2PS
ET25-3PS

Firmware Revision

Ethos 2.4.2.0 or later with PIV configuration

Current

106 mA average, 144 mA peak

118 mA average, 169 mA peak

143 mA average, 193 mA peak

Voltage

5-16 V DC

Electronic Connections

Red
Black
Green
White

Power In
GND
Data0/RS485A
Data1/RS485B

Connection Type

24" Pigtail

Temperature Range

UL™ Tested -35° to 66°C and EN -40° to 70°C and 95% humidity

Dimensions

5.1" x 1.7" x 0.71"

5.1" x 3.25" x 0.71"

Card Support

FIPS 201 cards including: PIV, PIV-1, CAC, CIV, and TWIC
Handles structured data transfer required for smart card operations allows for use in Federal Identity, Credential and Access Management and Personal Identity Verification environments.

Read Range

Up to 1.5 inches

Certifications

FCC, IC, CE, UL, EN302291, EN301489, EN300330, IP55, UL294, OSDP Verified