

APEX Reader

Enhanced. Sleek. Built to Last.



AX-20
Single Gang

Part Number
AX-20-S-Custom
AX20S-STND



AX-25
Single Gang Keypad

Part Number
AX-25-S-Custom
AX25S-STND



AX-10
Mullion

Part Number
AX-10-S-Custom
AX10S-STND



AX-15
Mullion Keypad

Part Number
AX-15-S-Custom
AX15S-Ascent

The Wavelynx APEX Reader is a next-generation access control RFID reader product suite that is built for enhanced durability, efficiency, and flexibility.

Conceived for white-labeling and featuring a modernized design centered around augmenting your brand, the APEX reader platform leverages a metal cast mounting plate to offer maximum installation robustness. Four new form factors now also include a Mullion Keypad for greater versatility.

Featuring advanced hardware upgrades, much reduced power consumption, expanded credential compatibility and security, and increased IP65+ outdoor rating. Key advancements such as an upgraded NFC chipset, increased tamper detection, and support for modern and legacy credentials future-proof the design.

The communication protocol OSDP V2.2 verified and the APEX OSDP Autodetect feature allow for more convenient, secure, and cost effective installation upgrades. This combination guarantees the seamless upgrade from Wiegand to OSDP over the existing Wiegand wire.

The APEX readers also feature a terminal block to make the installation more broadly standardized, and still offer the traditional pigtail as an optional accessory.

Capabilities:

- Credential support for NFC, Bluetooth 5.3, and 125 kHz Prox.
- Broad power range (5–24VDC)
- Durable IP65+ design with sleek form factor options, including Mullion Keypad and Single Gang.
- Advanced security with EAL6+ Secure Element and tamper detection via accelerometer.
- Credential Compatibility: Fully interoperable with Ethos Readers.

TECHNICAL SPECIFICATIONS

Four Form Factors (part number / dimensions)	Mullion (AX-10) – (133.4 L x 46mm W x 18.5mm T) Mullion with keypad (AX-15) – (133.4mm L x 46mm W x 23.5mm T) Single Gang (AX-20) – (133.4mm L x 83.6mm W x 18.5mm T) Single Gang with Keypad (AX-25) – (133.4mm L x 83.6mm W x 23.5mm T)
Colors	Black
Current	50mA at 12 VDC
Voltage	5–24 VDC
Temp Range	–35 to 66 C and EN –40 to 70C and 95% humidity
Read Range	2"
Security Level	EAL6+ Secure Element
Country of Origin	Designed and assembled in Colorado USA
Warranty	Lifetime on non-keypad models, 3-year on keypad models
Regulatory Compliance	<ul style="list-style-type: none"> FCC and IC Certified CE DoC with EN 62368-1:2014 and related EMC/Spectrum tests UL294 OSDP Verified to V2.2 IP65 or better Plastics: UL94–V0, UL746C–F1 for UV/water resistance
APEX Summit	<ul style="list-style-type: none"> Full functionality (Equivalent to Ethos –7WS Reader) Prox / 13.56 MHz (Leaf + Wallet) / BLE credentials Bluetooth admin support (Configure App) OSDP & Wiegand capability
APEX Ascent	<ul style="list-style-type: none"> 13.56 MHz (Leaf + Wallet) / BLE credentials Bluetooth admin support (Configure App) OSDP & Wiegand capability

FEATURES

RF Technology	13.56 MHz (NFC), 125 kHz (Prox), Bluetooth BLE 5.3
Autodetect	Seamlessly transition to OSDP after establishing a secure channel with the panel
Remote Firmware Upgrades	Update firmware or change readers configuration remotely through OSDP file transfer
Credential Support	All Ethos-supported credentials, including NFC, Prox, and Bluetooth
LEDs	Red/Green/Blue LED light bar at the top (Visual Feedback)
Tamper	Accelerometer-based tamper detection