



Features Comparisons	Wavelynx Ethos Readers	Wavelynx APEX Readers
	The Ethos Reader is designed to provide secure, flexible, and future-ready access control solutions	The APEX Reader suite is designed to support diverse deployment environments and increase installation versatility for unmatched durability, flexibility, and efficiency with advanced hardware upgrades.
Support diverse deployment environments.	X	Rated for IP65
Offers a suite of readers for flexibility and versatility	X	Addition of Mullion Keypad
Enable Seamless Migration to OSDP	✓	✓
Expand OEM & Integrator Opportunities	✓	✓
Support Evolving Credential Ecosystems	X No new firmware updates – due to end of life	Easier configuration process for adding credentials
Enhance Installation Flexibility & Robustness	X	✓
Reduce Power Consumption & Improve Sustainability	X	50% power reduction compared to Ethos
Increase Product Reliability and Security	✓	✓
Accelerate Time-to-Install	X	Terminal Block Wiring
Remote Updates	✓	✓

Technical Comparisons	Wavelynx Ethos Readers	Wavelynx APEX Readers
Colors	Black / Beige	Black
Current	100mA @ 12 VDC	AX-10 194mA/ 95mA / 50mA AX-20 254mA/ 125mA / 64mA AX-15 205mA/ 101mA / 53mA AX-25 237mA/141mA / 72mA
Models	Mullion, Single, Keypad	Mullion, Single, with & without keypad
Voltage	5-16 VDC	5-24 VDC
Temperature Range	-35 to 66 C and EN -40 to 70C and 95% humidity	UL294 Tested -35C to 66C and EN -40C to 70C and 93% humidity
Read Range	13.56 MHz (NFC): Improved signal-to-noise ratio, dynamic power output 125 kHz (Prox) Bluetooth: BLE 5.3 with long-range support (Coded PHY), Bluetooth Mesh, and Zigbee	125 kHz (LF/Prox): up to 4" 13.56 MHz (HF/NFC): up to 2"
Dimensions	Mullion (ET10): 5.1" x 1.7" x 0.71" Single Gang + Keypad (ET20 and ET25): 5.1" x 3.25" x 0.71"	Mullion (AX-10) (5.25" L x 1.81" W x 0.73" T) Mullion with keypad (AX-15) (5.25" L x 1.81" W x 0.92" T) Single Gang (AX-20) (5.25" L x 3.29" W x 0.73" T) Single Gang with Keypad (AX-25) (5.25" L x 3.29" W x 0.92" T)
Form Factors	Mullion ET10 Single-Gang ET20, with and without a keypad.	Mullion (AX-10) Mullion with keypad (AX-15) Single Gang (AX-20) Single Gang with Keypad (AX-25)
Security Level	EAL6+ Cryptographic Module	EAL6+ Secure Element
Country of Origin	USA	USA
Warranty	Lifetime on non-keypad models, 3-year on keypad models	Lifetime on non-keypad models, 3-year on keypad models
Regulatory Compliance	FCC and IC Certified CE DoC with EN 62368-1:2014 and related EMC/Spectrum tests UL294 OSDP Verified to V2.2	FCC and IC Certified CE DOC with EN 62368-1:2018 EMC/Spectrum tests UL294 CAN / ULC 60839-II-1: Outdoor Rating Grade 1 OSDP Verified to V2.2 IP65
RF Technology	13.56 MHz (NFC), 125 kHz (Prox), Bluetooth BLE 5.3	13.56 MHz (NFC), 125 kHz (Prox), Bluetooth BLE 4.2+
Autodetect	Automatically detects if the device is installed in a Wiegand or OSDP infrastructure.	Automatically detects if the device is installed in a Wiegand or OSDP infrastructure.
Remote Firmware Upgrades	Supported for radio enable/disable and control sequencing	Supported for radio enable/disable and control sequencing
Credential Support	All Ethos-supported credentials, including NFC, Prox, and Bluetooth	All Ethos-supported credentials, including NFC, Prox, and Bluetooth
LEDs	Red/Green/Blue LED light bar at the top (Visual Feedback)	Red/Green/Blue LED light bar at the top (Visual Feedback)
Tamper	Accelerometer-based tamper detection	Accelerometer-based tamper detection