Gen2 Multi-Tech Readers (International)

Enhanced. Sleek. Built to Last.

Overview

ThenewGen2 Multi-Tech Reader is a next-generation access control RFID reader suite designed for durability, efficiency, and flexibility. Featuring a modernized design, this platform uses a metal cast mounting plate for robust installation and introduces four form factors, including a Mullion with Keypad.

This new platform represents the next evolution of acre's reader portfolio, replacing the previous AT and ET reader ranges while maintaining compatibility with the same credentials, including mobile credentials.
Key advancements include reduced power consumption, expanded credential compatibility, an upgraded NFC chipset, improved tamper detection, and support for both modern and legacy credentials.
OSDP V2.2 verified protocol and OSDP Autodetect enable seamless upgrades from Wiegand to OSDP over existing wiring.

The readers feature a terminal connector for standardized installation, with a traditional pigtail included in the packaging box.

Capabilities

- Supports acre-approved credentials according to the System Reader Credential matrix
- Mobile credential ready with Bluetooth and wallet support
- Broad power range (5–24 VDC)
- Durable IP65 design with multiple sleek form factors
- Advanced security with EAL6+ Secure Element
- Fully interoperable with the previous generation of Multi-Tech Readers
- Designed for full integration with Acre Access Control

Key Features

- RF Technologies: 13.56 MHz (NFC), 125 kHz (Prox), Bluetooth BLE 5.3
- Autodetect: seamless transition to OSDP after secure channel establishment
- LED indicators: RGB light bar at top
- Accelerometer-based tamper detection

Technical Specifications

Form Factors

Model	Dimensions
Mullion(MT10S-I)	133.4 × 46 × 18.5 mm
Mullionwith Keypad (MT15S-I)	133.4 × 46 × 23.5 mm
Single Gang (MT20S-I)	133.4 × 83.6 × 18.5 mm
Single Gang with Keypad (MT25S-I)	133.4 × 83.6 × 23.5 mm

General Specifications

Specification	Details
Color	Black
Current	50mA at 12 VDC
Voltage	5 – 24 VDC
Temperature Range (Standard)	−35 to 66°C
Temperature Range (EN Rated)	−40 to 70°C, 95% humidity
Read Range	50mm
Security Level	EAL6+ Secure Element
Warranty	Lifetime (non-keypad models), 3-year (keypad models)

Regulatory Compliance

- CE DoC with EN 62368-1:2014 and related EMC/Spectrum tests
- OSDP Verified to V2.2
- IP65 or better
- IK07 rated
- Plastics: UL94-V0, UL746C-F1 for UV/water resistance

Additional Product Information

- Full functionality (equivalent to previous generation Multi-Tech 7WS Reader)
- Swapping to Wallet with a token
- Bluetooth admin support (Configure App)
- OSDP & Wiegand capability