



# AY-K510

ELEVATE THE ENTRANCE.  
WITH CARD AND PIN.

## DATASHEET

# AY-K510

### Refined Aesthetics.

- Precision-Milled Housing – A refined silhouette featuring a high-impact PC/ABS casing and a premium tempered glass interface. Designed to integrate into your strict corporate aesthetics.
- Environmental Endurance – Certified IP65-rated resilience.
- Unified Credential Platform – A singular, streamlined platform that natively handles EM (125 kHz), MIFARE, or DESFire (13.56 MHz) and PIN credentials.
- Calibrated Feedback – Integrated dual-tone LED indicators and a discrete internal buzzer provide immediate, unambiguous status verification for high-traffic throughput.

### World Class Identity & Encryption

- Cryptographic Fortification – Secured by EV3 and proprietary, password-protected layers that supports anti-skimming and anti-cloning (Desfire EV3 Only).
- Secure Sector Reading – Advanced configurability for both CSN and Secure Sector reading.
- Enterprise Format Support – Enables bespoke credential structures, ensuring unique, non-duplicable ID ranges for high-security enterprise environments.

### Seamless System Interoperability

- Zero-Latency Execution – Internal logic architected for rapid-fire processing across card and QR authentication.
- Secure Sector Intelligence – Advanced configurability for both CSN and Secure Sector reading, providing granular control over how sensitive data is validated and transmitted.
- Mission-Critical Reliability – Specifically engineered to secure high-sensitivity environments, from executive suites to tier-one data centers and server rooms.



# DATASHEET

## AY-K510

System	
Authentication Methods	EM, Mifare, Desfire EV3, PIN
Frequency	125 KHz, 13.56 MHz
Response Speed	< 100ms
Read Range	Up to 45mm
Matching Speed	< 1 sec
LED Indicator	Red & Blue
Beeper	Yes
Communication	
Communication Mode	Wiegand
Data Transmit Range	> 100m
Electrical	
Power Requirement	DC 9 - 15V
Operating Current	< 50mA
Mechanical	
Dimension	85 (L) x 85 (W) x 9 (H) mm
Casing Material	Tempered Glass Surface, PC / ABS
Environmental	
Operating Temperature	-10°C ~ 60°C
Ingress Protection	IP65

# DATASHEET

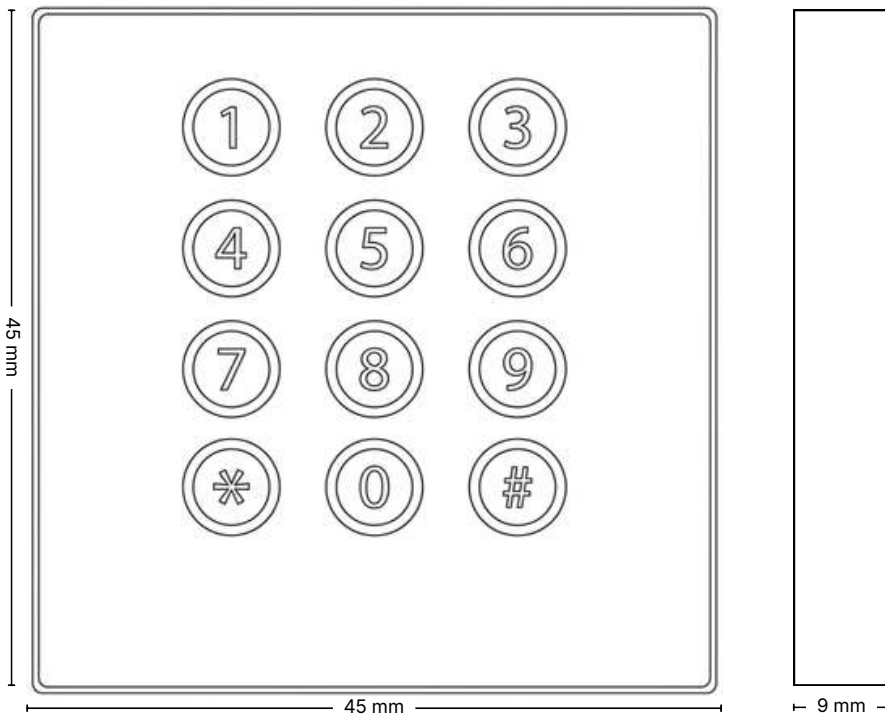
## AY-K510

### Order Information



**AY-K510EM / AY-K510MF / AY-K510DF**  
EM / Mifare / Desfire

### Dimensions



# DATASHEET

## AY-K510

### System Architecture

