



# AY-7 Series

ELEVATE THE ENTRANCE.  
WITH DESFIRE, MIFARE AND EM.

## DATASHEET

# AY-7 Series

### 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 Frequency Support – A singular, streamlined platform that natively handles EM (125 kHz), MIFARE, or DESFire (13.56 MHz).
- 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.
- 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.



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System	
Authentication Methods	EM, Mifare, Desfire EV3
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	100 (L) x 45 (W) x 17 (H) mm
Casing Material	Tempered Glass Surface, PC / ABS
Environmental	
Operating Temperature	-10°C ~ 60°C
Ingress Protection	IP65

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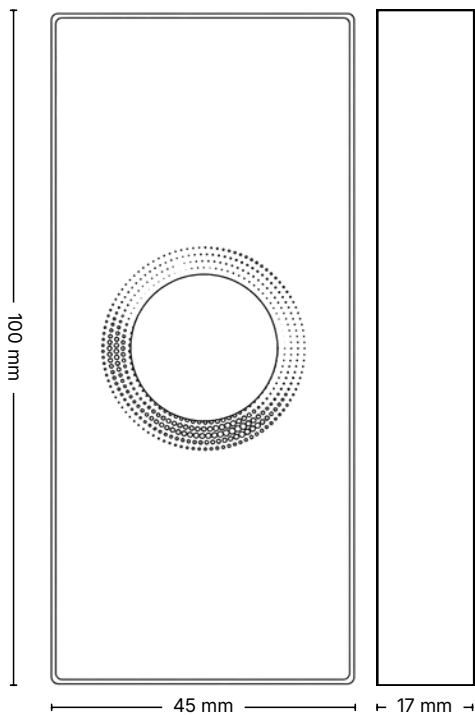
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### Order Information



**AY-EM701A / AY-MF701A / AY-DF701**  
EM / Mifare / Desfire

### Dimensions



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### System Architecture

