

Electronic Key Smart Padlock

This smart padlock uses an electronic key for access control, offering enhanced security. The padlock body is constructed from durable materials for resistance to physical attacks.



ADDITIONAL IMAGES



Product Overview



Advanced Key-Centric Access Control

The Electronic Key Smart Padlock is a high-security, passive electronic locking solution designed for robust access management without the need for internal power or wiring. By utilizing unique, re-programmable smart keys and sophisticated management software, security managers can easily authorize access, track unlocking events, and instantly disable lost keys. This system combines the physical strength of stainless steel construction with the digital intelligence of audit trails and two-way identity authentication.

Core Technology



Intelligent Passive Electronic Lock

Intelligent passive electronic lock embedded with standard electronic lock core, which is a high security intelligent lock with information task management function, suitable for transportation management, free compatible application management scenarios. The core components are made of stainless steel, which has artificial intelligence attributes that traditional mechanical locks do not have. The perfect logical design brings a brand new product experience.




Two-way Identity Authentication

This two-way identity authentication scheme effectively prevents imitate unlocking. And the security of authentication system is enhanced.

Power Requirement

Passive (No Battery) • No Wiring Required • Maintenance Free

Security Features

- Two-way identity authentication
- Re-programmable unique smart keys
- Audit trail (records every unlocking event)
- Blacklist capability for lost/stolen keys

System Type

Key-centric passive electronic access control

Technical Specifications



No Power, No Wiring, Without Maintenance

Intelligent Passive Electronic Lock have no power, and you don't need to wiring and maintain anymore. They could be used in all environments.

Performance Metrics

10 Years

Service Life

68 IP

Protection Level

Operating Environment

Parameter	Range
Working Temperature	-40°C to 70°C
Working Humidity	20% to 97%

Physical Construction



Materials & Build

- Lock Body: SUS304 Stainless Steel
- Lock Beam: SUS304 Stainless Steel
- Locking Structure: Double bead single spring
- Core Components: High-grade Stainless Steel

Model Variations

Model Dimensions & Finish

Model	Beam Diameter	Beam Height (Min)	Surface Treatment
WM-2000B-S35	N/A	30mm	Natural Color Drawing
WM-2000B-S40	6.5mm	27mm	Copper Drawing Passivation
WM-2000B-S45	8.0mm	27mm	Copper Drawing Passivation
WM-2000B-S55	10.0mm	27mm	Sand Chrome

Compliance & Applications



Ideal Applications

- Transportation management
- Cabinet and storage security
- Industrial gates and sheds
- Remote infrastructure sites

Certifications

CE, RoHS, ISO 9001, IP68