Armored Padlock AP3

Keyless Padlock

Since its release in 2018, the Armored Padlock has matured its design to optimize operations in critical infrastructure, without compromising physical or digital security.

Low Power design to extend life of integrated lithium battery to support 5 years or 10K+ openings*

IP66 certified for outdoor applications

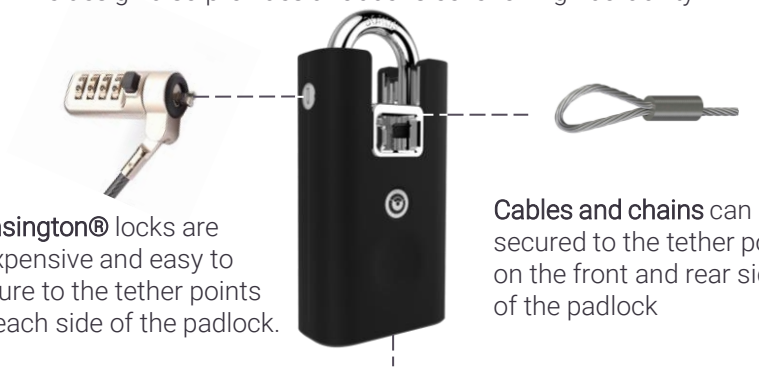
10mm Boron Stainless Steel Shackle available in 50mm and 75mm lengths

IK10 certified for impact resistance

LED to indicate status

Simplified Installation and Durable Design

Easy installation to secure the padlock with multiple tether points. Tethering avoids damage due to accidental drops and reduces theft when the shackle is open. The design also provides a rubber sleeve for high durability.



Kensington® locks are inexpensive and easy to secure to the tether points on each side of the padlock.

Cables and chains can be secured to the tether points on the front and rear sides of the padlock

Rubber Sleeve to protect the body of the padlock in accidental drops and frequent contact with fences or metal doors.

Beyond Physical Security

Sera4 has integrated various mechanisms to provide robust digital security.

Always ON

Sera4 padlocks are always active to advertise their presence via the Bluetooth radio.

- Users can connect to the padlocks without having to press the button
- Mobile devices can detect the padlock's presence, and monitor their open/close state without user intervention

Real-Time Clock

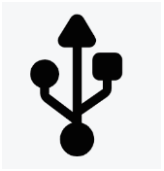
Each padlock has a real-time clock for independent time tracking. This prevents "time-based" attacks where hackers attempt to modify the validity of keys or access logs.

Embedded Security

As part of the asymmetric cryptography architecture, padlocks generate their own private keys by using a hardware-based random number generator. These keys - never shared nor seen by anyone - are used to decrypt information from the smartphones through the 192-bit ECDSA algorithm.
For more information refer to the Sera4 Embedded Security fact sheet.

Built-In Redundancy for Critical Infrastructure

Operations cannot be compromised due to power failures or smartphone problems. The AP3 padlocks from Sera4 provide enough redundancy to meet expectations for critical infrastructure operations.



Emergency Power

A micro USB port is available to power the padlock for those rare occasions when the integrated lithium battery was not replaced on time. Users can connect portable batteries, AC adaptors or laptops via micro USB cables.

Fail-Safe Unlock

Administrators can generate access codes to enable users to open padlocks without using a smartphone. These access codes are rotated every 4 hours to maintain the security of the system.

* Battery lifetime is dependent on multiple factors; see datasheet for details.

For more information contact us at info@sera4.com