CASE STUDY

SMART LOCKERS ENABLE SECURE DEVICE CHECKOUT

Kiosk
Authentication

RFID FOR SMART LOCKER SOLUTIONS

iLockerz needed a secure access control solution for their clients in education and other sectors, including logistics, retail, healthcare and emergency services. With education increasingly moving towards e-learning, smart lockers help colleges and K-12 schools secure laptops and other costly assets for student checkout. RFID readers from ELATEC provided a secure, flexible and convenient solution.

REQUIREMENTS

The solution needed to be:

+ Easy to integrate with the iLockerz smart locker system

+ Fast and convenient for students and staff to use

+ Simple to program and manage for IT and building management

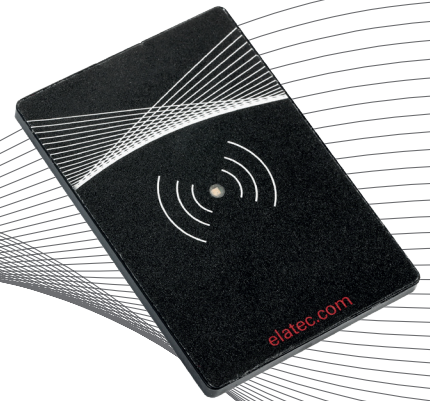+ High secure to protect laptops and other valuable assets

BENEFITS

+ Secure item storage

+ Automated vending with 24/7 access to critical equipment

+ In-locker device charging

+ Full audit trail showing device usage and locker access

+ Reliable access to the stored devices thanks to extremely low reader downtime

SITUATION

Laptops are no longer optional for education: in 2021, more than 60% of learning happened online. Students need laptops to complete assignments, access learning resources on the internet or in the learning management system, and connect with teachers and classmates. For students who don't have their own devices, many schools and campuses make laptops and other equipment available for checkout.

iLockerz makes smart locker systems to support secure checkout of expensive assets. Their locker systems are used not only on campus but also for scanner management in the retail and logistics sector, to facilitate drug vending or iPad management in healthcare, and to secure radios and body cameras for Emergency Service teams, among other applications. Integrated in-locker charging capabilities make their lockers ideal for securing electronic equipment.

CHALLENGE

To power their smart locker solutions, iLockerz needed a user identification and access control system that provided the security required for high-value assets while ensuring fast and easy access for end-users. The system had to work for end-users, property managers and IT.

At the same time, they needed to consider cost. Creating a smart locker solution is not a low-cost exercise, so controlling costs for every component is key to ensuring that the final system will be affordable for buyers.

SOLUTION

The ELATEC TWN4 Slim lines provided the perfect solution. The readers are slim and easy to integrate into the smart locker system. At the same time, the readers are powerful enough to support all their required functionality. The multi-tech readers work with 60+ RFID transponder technologies worldwide, plus smartphone technologies powered by Bluetooth® Low Energy (BLE) or Near-Field Communication (NFC).

This allows the lockers to be used with any card or smartphone technologies already in place with their end-users, so students, faculty or employees won't need to carry a separate card to open the lockers. The access solution is easy to manage and provides a complete audit trail showing exactly who has accessed lockers and devices and at what times.

ELATEC TWN4 readers are now present in more than 50% of iLockerz installations, facilitating more than two million transactions each year. The readers have less than a 0.01% bad read/failure rate, providing excellent reliability and security for critical assets. With smart lockers powered by ELATEC readers, everyone has access to the devices they need exactly when they need them—and devices stay secure, protected nd charged when not in use.

elatec.com

EMEA
Puchheim, Germany
+49 89 552 9961 0
sales-rfid@elatec.com

AMERICAS
Palm City, Florida, USA
+1 772 210 2263
americas-info@elatec.com

ASIA PACIFIC
Shenzhen, China
+86 755 2394 6014
apac-info@elatec.com

JAPAN
Tokyo, Japan
+ 81 90 1846 6900
japan-info@elatec.com