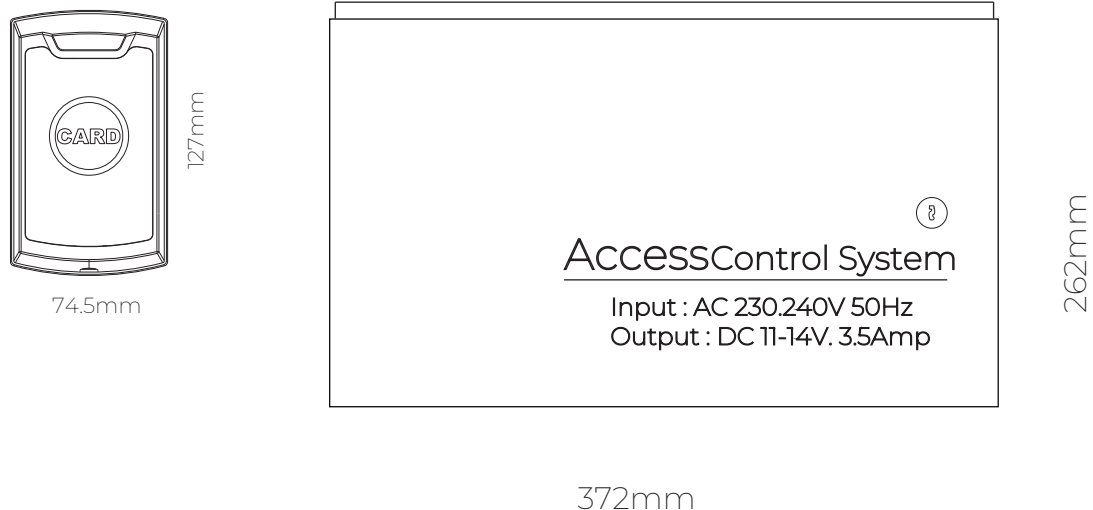




TLJ access
control
Part of the TLJ Group

TLJ Online Access Reader

The TLJ Online Access Reader is a hard wired, mains powered unit, often installed on higher traffic public doors, such as the front main entrance. The reader communicates with a controller located on the secure side of the door. In turn the controller co-ordinates the door lock, exit button, emergency break glass, fire alarm interface & mains power supply.



Specification

Input Voltage: 230 - 240V 50Hz

Output: DC 11-14V 3.5Amp

Controller construction: Metal, powder coated

Backup Battery charge: 12V 1 Amp

Mains Failure LED: Yes

12V Output Failure LED: Yes

Lockable controller: Yes

Operating Temp: 0 - 45 Degrees Celcius

Moisture Resistant: No (IP enclosure required for external installation)

Compatible Platforms

- Offline (Data-on-card)
- Online
- TLJ Connect (writeback)
- Smartphone App (BLE)

Other common reader installations:

- Car park barrier
- Shutter door
- Lift elevator
- Pedestrian gate
- Automated door
- Parcel drop collection unit



Credentials

Physical Credentials



Keycards, fobs and wristbands

The increasingly popular RFID (Radio Frequency Identification) credentials are a common choice for those upgrading from older magnetic swipe systems. As is common with most of those legacy door locks, RFID credentials are not affected by being held close to smartphones as is often the case with magnetic cards.

Although other card types can be used, TLJ standardise the 1K MiFare chipset. It's extremely reliable and one of the most widely used on the planet, making it perfect for integrating with other systems.

Moreover, the 1K credentials' core technology utilises 16 blocks of memory, this offers advanced functionality for today but also in the future. All physical credentials can be customised with your own branding (minimum quantity orders may apply).

Bamboo Keycards



Bamboo key cards are a great eco-friendly alternative to the traditional plastic version, offering equal durability and functionality.

Sustainable wood is a renewable and biodegradable resource, which many customers have found to be widely requested by the modern day traveller or millennial renter.

Credentials

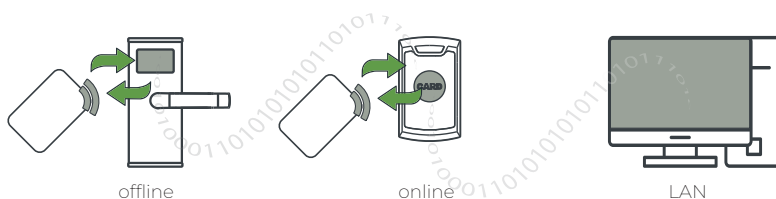
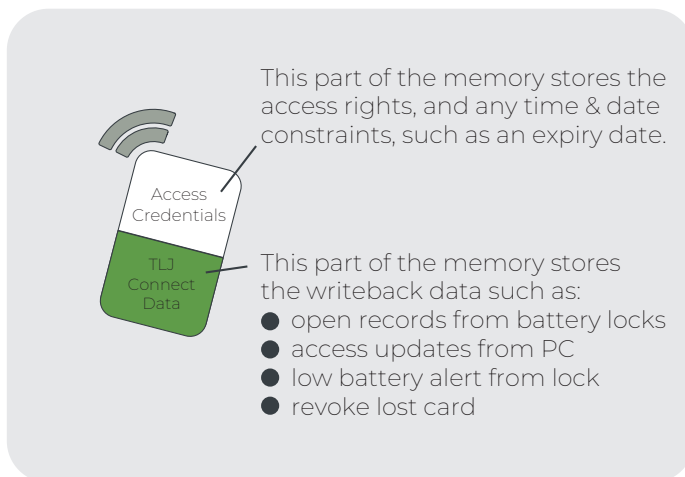


data-on-card

TLJ utilise the memory storage on options such as key cards or fobs. Which doors are accessible - from when and until when - is written onto the credential itself. This is in contrast to storing a list of valid card ID's on the door lock itself, eliminating the need for all door locks to be online, all the time. Revoking access is performed by replacement logic, so even a lost credential doesn't require the operator to visit the door. This type of technology is referred to as offline access control.

writeback

A 'hybrid' of an online & offline access control system, where the credential is used to carry information from and to the offline lock as it passes through online hotspot readers located on public doors, such as the front door or the elevator.



Mobile Keys



"It's access control turned on its head, let the key be online rather than the door lock itself, saving the costly internal network infrastructure."
TLJ's Chief Technology Officer, Luke Martin.

TLJ Mobile Keys™ are a virtual access credential. The user does not need to collect a keycard for example, rather the Mobile Key can be retrieved directly by their smartphone. The key is stored securely in the cloud and is also end-to-end encrypted. Add this to the requirement of FaceID, FingerPrint or PinCode to unlock the smartphone to gain access to the Mobile Key....now that's secure!

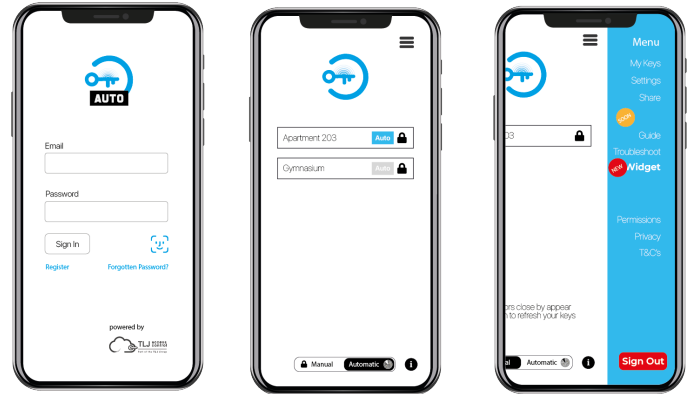
Mobile Keys Benefits

Real-Time

- Live 'as they happen' door open records
- Instantly cancel a lost or stolen smartphone key
- Create instant keys for residents, visitors & staff
- Real-time visibility & control of your building
- Extend or amend access rights remotely
- Low battery alerts in real-time for easy maintenance
- Current door status in app; unlocked, locked, privacy on/off
- Fewer lock-outs. A card is easy to forget or leave behind
- Digital signature prevents passing of user login credentials
- Flexibility, works alongside physical keys
- Works with iOS & Android



Mobile Keys Options



TLJ Native App

TLJ Branded app provided by TLJ
Hosted in both App Store & Play Store
Fully maintained by TLJ
No other 3rd party providers required

Integrate TLJ Mobile Keys™ into your own app
Improve performance & usability experience
Park maps, parcel collection, paying rent, booking amenities & opening doors: all in one app
Prevent 'app fatigue'
TLJ approval process of all new integrations
Popular middleware & IoT integrations already approved
Industry leading dev support with Slack chat channel



white-label

Own-branded app provided by TLJ
Familiarity: improve uptake of app download
Hosted in both App Store & Play Store
Fully maintained by TLJ
No other 3rd party providers required

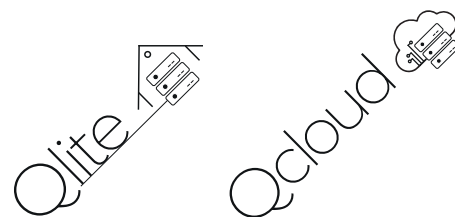
Technology Platforms



TLJ hardware can be controlled via two different operating platforms in Qlite & Qcloud. The fundamental differences between them is the fact Qlite is an on premise solution compared to Qcloud which is a hosted database from a high security data centre.

A corrupt local database or a ransomware attack have been a growing part of disaster recovery strategies for years, but due to the increasingly vast internet speeds and global demand, hosted databases are the 'new normal', boasting enterprise grade security & automated incremental backups.

Compare

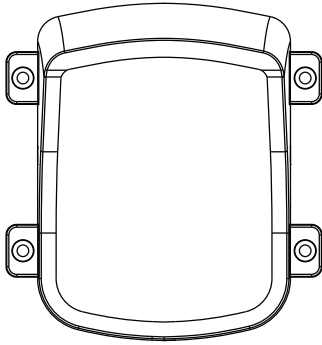


TLJ Mobile Keys™	●	●
HandsFree TLJ Mobile Keys™	●	●
RFID credentials	●	●
Batch key issuing	●	●
Local on-premise database	●	
In-house IT dep required to maintain	●	
Physical IT infrastructure required	●	
Unlimited doors	●	
Fixed monthly payment plan	●	●
Inclusive Prime Service Plan*	●	●
Inclusive software updates		●
Cloud Hosted database		●
API for 3rd party integrations		●
Automatically backed up		●
SDK for own app development		●
Qbot included		●
Mobile Keys hosting included		●
Option to enable "Share mobile key"*		●
Virtual Intercom		●

*Where operator allows

Access control

Associated Accessories



External weather protective cover shield



Emergency Green break glass unit for instant door unlocking



Press to Exit push button, for everyday door unlocking from secure side (inside)



Electronic strike release, mounted in frame, used in conjunction with mortise lock



Electro-magnetical lock, mounted at the head of the door. Requires Z&L bracket for inward opening doors



No Touch exit button for contactless access.

TLJ Access Control

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