TEKA

Locker



The TEKA LIGHT 2 from iDTRONIC is a computer-controlled key management system designed for the secure and traceable management of mechanical keys. Users are granted access only to authorized keys, while all key withdrawals and returns are logged in real time. The system features 14 key slots, expandable to 30, supports up to 100 users, and can be conveniently managed via touchscreen and web interface. No external server is required.

Ethernet / PoE

13.56 MHz 125 kHz

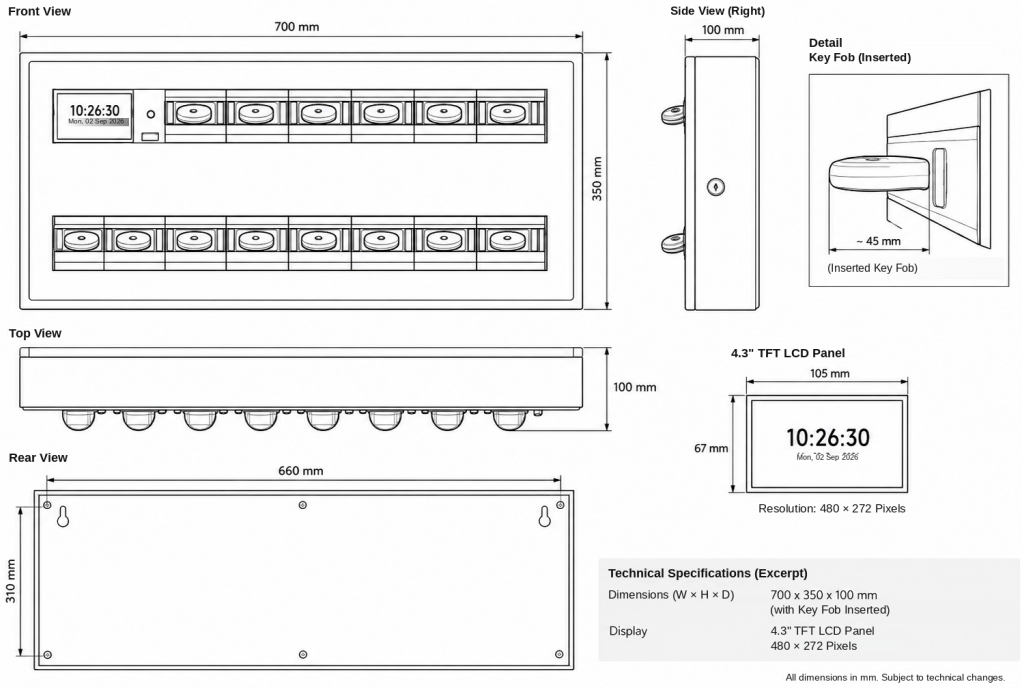
Industrial Areas

Public Areas

Gyms

Hotels

Dimensions



Technical Specifications (Excerpt)

Dimensions (W × H × D)	700 x 350 x 100 mm (with Key Fob Inserted)
Display	4.3" TFT LCD Panel 480 × 272 Pixels

All dimensions in mm. Subject to technical changes.

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Subject to change without notice

Physical Parameters

Interface	Ethernet
Power Supply	PoE IEEE802.3af/at/bt
Current Consumption	10 W (Average Power Consumption)
Supported Tags	125 kHz / 13,56 MHz
Notifications	RGB-LED
Buzzer	Yes (frequency-controlled)
Display	4.3" TFT LCD Panel, 480 × 272 Pixels LED Backlighting and Resistive Touchscreen
Dimensions	700 × 350 × 100 mm (with key fob inserted)
Weight	12,5 kg
Material	Painted Metal + ABS
Operating Temperature	0°C / +50°C



Controller

The controller is the main component of the system, supporting the connection of up to 30 modules. It integrates the following features.

- **User Interface**: Equipped with RFID antennas (LF for key fobs/users, HF for users)
- **Web Server:** Enables administrators to connect to the system for configuration and management
- **Touchscreen:** Allows users to select the desired key fob and guides them through the return process
- **QR Code Reader:** Integrated QR code reader



Mechatronic Housing

The main component of the system, supporting the connection of up to 30 modules. It integrates the following features:

- **RFID Reader:** Identifies the key fob
- **Locking Mechanism:** Integrated locking and unlocking system for the key fob
- **RGB LEDs:** Two RGB LEDs provide immediate and intuitive visual feedback to the user
- **I²C Interface:** Communication interface for connecting to the controller



Key Fob

The identification component for an individual key or group of keys, featuring an integrated 125 kHz RFID tag. The keys are securely attached to the key ring using a special steel seal. This single-use seal requires no special equipment for installation and can be customized with individual markings or graphics.



Metal Cabinet

The system consists of a metal cabinet housing the controller as the central component and 14 mechatronic key slots (16 in the TK-ARM-SL16 version).

Order Codes

R-EA-TK-ARM-VB	Basic Version: 14 Slave Modules + Controller
R-EA-TK-ARM-VQR	Version with 14 Slave Modules + Controller + QR Code Reader
R-EA-TK-ARM-SL16	16 Slave Modules

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