



REA::TOUCH

is designed as a multi-application data terminal, satisfying all sort of claim on identification systems. Its technical parameters are in line with high sophisticated requirements for particular systems. This data terminal is made for many applications through option combination of RFID reader and bar-code scanner in a compact unit with customer interface. Due to large touch display this terminal enables very easy change of language settings and offers intuitive user interface. Variable communication interface enables connection of another identification unit, e.g. finger-print readers or other biometrical technologies.

REA::TOUCH – Typical Application Field:

Construction of **REA::TOUCH** reader is optimized for typical application as a high sophisticated data terminal, used for management and information systems.

- Access control (e.g. aqua parks and hotel yards)
- Time attendance systems
- Ordering and restaurants catering systems
- Ticket and check-in systems (e.g. sports stadiums)
- RFID identification and control of security systems (e.g. fire alarms)
- Local payment systems (e.g. control of vending machine, copiers, and lifts)
- Management of club systems (e.g. swimming pools, and fitness centers)
- Production monitoring systems (e.g. industrial establishment areas)

Supported Identification Technologies

RFID READER - build-in card reader supports identification cards at frequencies 13,56 MHz or 125 kHz. RFID reader can be also used in combination with the following configurations of terminal.

BAR-CODE SCANNER - is designed for identification systems, requiring identification with bar-codes. This terminal supports different types of 1D and 2D bar-codes even on screen of mobile phone. Integrated bar-codes scanner enables reading also in extreme light conditions. We recommend using bar-codes with check digit character (e.g. EAN13, Code 128).

FINGERPRINT SCANNER - is an optical sensor designed for identification systems, requiring biometric identification. This terminal is capable of scanning fingerprints in several modes - fingerprint only or in combination with identification RFID cards. It is designed particularly for access and attendance systems, enrollment and managing fingerprints is possible via computers.

REA::MP

is an industry designed type of terminal without display. All electronics is covered by protection of class IP55. This device can control up to 4 RFID readers. This terminal has same peripheral board as REA::TOUCH. Terminal is mostly placed in a technical room.

TECHNICAL SPECIFICATION REA::TOUCH

Dimensions: 251 x 190 x 80 mm (w x h x d) – depends on accessories

Weight: approx. 850g – depends on accessories

Operation temperature range: -20°C to +60°C

Power supply: 12 – 36 V DC or PoE (Power Over Ethernet)

- full-colour 7" LCD display with resolution 800x480 and touch screen
- variability of communication interface (Ethernet, USB, RS485, Wiegand)
- large capacity of integrated memory enables to work with tens of thousands identification elements (cards, tags, bar-codes)
- integrated universal RFID sensor (125 kHz or 13,56 MHz) supports tens types of RFID chips
- connection variability for external systems (control of security systems, fire alarms, control of locker locks, turnstiles, displays, printers)
- high resistant plastic cover
- protection class IP42 for REA::TOUCH version
- protection class IP55 for REA::MP version
- optional extension up to 16 input signals with galvanic separation
- optional extension up to 16 non-potential outputs

Supported Identification Technologies

Typical application as a high sophisticated data terminal is in industrial establishment areas, hotel yards, sports stadiums, aqua parks, fitness centers. Construction of REA::TOUCH reader is optimized for using as a entrance control (Access control), time attendance systems, ordering and restaurants catering systems, local payment systems (management of vending machines, copiers, swimming pools, lifts, club systems), production monitoring systems, RFID identification and control of security systems or fire alarms.

RFID READER

- **13,56 MHz RFID technology:** ISO 14443A, ISO 14443B, ISO 15639
- **-R/W (R/O)** e.g. Mifare Classic, Mifare DESFire, Mifare Ultralight, TagIt HFI, EM 4035, EM 4135
- **125 kHz RFID technology:** e.g. HID, HITAG1, HITAG2, EM 4102, Cassi-Rusco

BAR-CODE SCANNER

- **Bar-Code tickets** - 1D and 2D bar-codes tickets in any size
- **Mobile tickets** - 1D and 2D bar-codes received by mobile phones
- **Print@Home tickets** - tickets printed at home on A4 size paper

FINGERPRINT SCANNER

- fingerprints in ISO19794-2 format
- 4 fingerprints per person (2x2 fingerprints)
- Flash memory size for fingerprints 1MB (4 MB)
 - capacity for 475 persons/1MB Flash (2375 persons/4MB Flash)
 - adjustable FAR 1/1 000, 1/10 00, 1/100 000, 1/1 000 000
 - EER < 0.1%
 - possibility of cryptographic fingerprints security (256-bit AES)



REA::MP

REA::TOUCH - bar-code scanner placed on BAR-BA turnstile



REA::TOUCH - fingerprint scanner

