

FQ 500

Multi-function Ticket Vending Machine

A Full Range of Functions in a Compact Ticket Vending Machine

The FQ 500 ticket vending machine for the public transportation sector is the ideal solution for the self-service requirements of transport operators, in either an indoor or outdoor environment.

Sturdy in build and highly autonomous, the FQ 500 ticket vending machine is particularly well suited to transport ticket sellers who want to offer customers easy payment with credit card or cash, with little need for maintenance.

Benefits include:

- Suited for all forms of mass transit
- Accepts all forms of credit card and cash payments
- Dispenses six types of coins with an escrow
- Highly durable
- Ergonomic, attractive design
- Easily connected with all fare collection systems
- Easily integrated with all ticketing platforms, contactless and magnetic cards, NFC, and mobile applications
- ADA compliant



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Features

Suitable for all environments

- Indoors or outdoors, with or without shelter
- Operates over a very wide temperature and humidity range
- Built-in cooling fan

Ergonomic design

- Small footprint for perfect integration on train platforms, in subway stations, and at reserved-lane bus stops
- The various functions have been grouped together to reduce user actions and movements to a minimum
- Front door panel for easy access
- Handicapped accessible
- Large display space for information labels

Operation

- LED illumination on front panel
- 15-inch high-resolution TFT color display with touchscreen
- Latest touch technology
- Intercom system with adjustable volume and microphone

Security

- Coins and bills are stored in the machine, in two independent, secure cashboxes
- Coin handling system is fitted with a vandal-proof flap
- Cashboxes can be removed from the machine only by means of a separate key
- Self-locking coin cashbox made from high-grade stainless steel
- The touchscreen is protected by a 10 mm (0.4 inch) thick window
- Anti-vandalism metal cases
- Break-in, vibration, unauthorized entry sensors
- Electronic alarm
- Extremely resistant outer case (embedded doors, safety hinges, graffiti-proof paint, safety locks with four anchoring points)
- Uninterruptible Power Supply (UPS) backup unit

Modular structure

- Accepts all types of payment (coins, bills, credit/debit cards, smart cards, contactless cards)
- Recycles up to six types of coin (between 1,100-2,000 of each)
- High coin storage capacity
- Dispenses all types of tickets
- The printer/encoder can take two to four rolls of magnetic tickets
- Cash back recycling:
 - The coin handling system returns the coins inserted if the transaction is cancelled
 - For payments requiring a single banknote, an escrow function enables the note to be returned if the transaction is cancelled
- Recharging of contactless cards

Easy maintenance

- An intuitive internal build, with simple to reach parts, ensures quick and easy access by maintenance workers
- A light indicates the status of the equipment (in or out of service)
- Testing application to ensure parts are working

Application

- Operates on a Windows type platform
- Programmable Logic Controller
- Suppliers' middleware consists of a set of ActiveX components and the corresponding APIs
- Management software with reports on: operation, servicing by maintenance staff, status of coin box and consumables, etc.



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Technical Specifications

Environment

Indoor and outdoor

Installation: Free-standing, side by side, back to back, in a niche

Power supply: 24VDC

Operating temperature: From -20° C to +50° C (4° F to 122° F)

Storage temperature: From -20° C to +75° C (4° F to 167° F)

Cabinet Dimensions

W x H x D: 800 x 1740 x 540 mm (31.5 x 68.5 x 21.2 inches)

Weight: 360 kg (793 lbs)

Enclosure: 2 mm (.08 inches) thick steel

Lock: Security lock

Door: Burglar and vandalism-proof safe door with a four point lock

Finishing: Painting according to RAL color tone

PC Module

PC: Intel, industrial PC board

RAM: Up to 2 GB

Hard drive: SSD 60 GB minimum

Connectivity: LAN

