



## Automatic Fare Collection System

### Overview

The AFCs Automatic Fare Collection System is designed for railway transportation operators. It provides a total automated fare collection solution for public transportation that integrates fare collection software technology and ticketing hardware. System functions include ticketing management (TKT), operation & maintenance management system (O&M), as well as fare & revenue management system (F&R). It can also incorporate the latest Open Payment System and fare clearing system. The complete system is made up for the back-end central computer, station computer, station ticketing equipment and fare machines, fare gates, ticket/card readers, and station ticketing terminals.

Thanks to twenty years of experience and expertise with the development of automatic fare collection products for railway transportation, MiTAC's AFCS product is used by the Taiwan High Speed Rail and Taipei Metro, and also in Fuzhou (China), Chennai (India), Ho Chi Minh City (Vietnam), Jakarta (Indonesia) and Bangkok (Thailand). In 2017, the system received national recognition in the form of the "System Integration Award."

### Functions

1. AFCS: Record and compile transactions from each station/site, monitor station equipment, management fare & revenues, and engage in a variety of different big data statistical analysis on user demand.
2. Fare gate: Debiting of traveler payments, station entry/exit management
3. Automatic fare machine: Sale of non-contact IC tokens for single trips, other cards and top ups.
4. Carder rear: Querying of transaction data on traveler cards and extensions
5. Station ticketing terminal: Assist station staff with ticket sales, upgrades, top ups and refunds.

### Features

1. Extensive experience with the deployment of automatic fare collection systems for public transport
2. High system stability
3. Internal development of critical components
4. Support for cards issued by different companies
5. Can be integrated with mobile phone app to develop mobile ticketing services

### Benefits

1. Provide travelers with fast and convenient ticketing/clearing services
2. Manpower savings for ticket sales, fare collection and clearing services
3. Improve accounting and ticketing accuracy
4. Deployment of modern, high-tech transport infrastructure
5. Passenger volume, financial and ticketing reports to assist with decision-making and boost management performance
6. Save on O&M costs by providing an equipment monitoring and maintenance

### Customers

1. Automatic fare collection system for Taipei Metro/High Speed Rail
2. QR-Code ticketing system for Hong Kong Airport Express
3. Fare collection system for Fuzhou Metro in China
4. Fare clearing system for Chennai Metro in India
5. AFC system for Ho Chi Minh City, Vietnam

### Contact Us

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