



Access Trust series is the latest generation of access control system. It is an integral part of the Integrated Java Embedded Security System (JESS) which is designed based on Java EE architecture. The system offers you with reliable, secure and efficient access management solutions. The adoption of advanced ARM processor and CanBus communication protocol ensure high efficient data processing, high speed data transfer and data integrity. CU/MD controller is able to control a maximum of 16 doors simultaneously and provides real-time system monitoring. The extra-large data storage capacity and cryptographic function make the Access Trust series the best option for enterprises which are security demanding.

### General Features

- 32-bit ARM microprocessor
- 1 controller can support 16 readers
- Online/offline mode
- IAP/ISP online firmware upgrade
- Data storage: high-capacity SD memory card
- 200,000 cardholders and 90 day's records storage
- 1 million in/out records, unlimited extensibility
- Guarantee data validity for 10 years without power
- Various communication mode: TCP/IP, CanBus, UART, RS485
- Active and high speed real-time data upload(status/event/transactions)
- Mutual authentication with server using asymmetric algorithm
- Encryption on all communication data using symmetric session keys
- Secure messaging
- Low voltage check and auto shutdown protection against data corruption, backup battery protection
- Independent power supply with 7AH battery backup
- Auto-synchronization of system clock
- Thunder/static electricity protection

### Specifications

- CU/MD Controller
- Dimensions(mm)
- 406(L)×310(W)×115(H)
- Work Temperature
- 0°C ~ 50°C
- Work Humidity
- 0% ~ 95%
- Storage Temperature
- -10°C ~ 70°C
- Storage Humidity
- 0% ~ 95%
- Voltage
- 9V DC ~ 15V DC
- Power Consumption
- 150mA

\* Owing to continuous product improvements, Product Technical and Aesthetic Specifications are subjected to change without further notice.

### Strong Access Control

- General features
- 30 annual holidays setting
- Smart card effective and expiry date setting
- Multi-zone anti-pass back function
- Multi-card access function, support max 256 cards per access point
- Card reader with keypad and display
- Two-factor authentication (card + password), password retry check, duress code
- VIP card management
- Blacklist management
- Hexadecimal format and Integrated format
- Time Zone Control
- 1 global time zone
- 256 group time zones
- 2000 private time zones
- Special time zone control
- password time zone
- alarm signal enable time zone
- door release button time zone
- electric lock control time zone
- door open too long time zone

### Alarm Control

- Duress code alarm
- Burglar alarm
- Open too long alarm
- Temper alarm
- Alarm auto-reset

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