



integrated

Case Study—GZDS

Background

Guangzhou Municipal Local Taxation Bureau (GZDS) was established on February 9, 1999. It is in charge of local taxation levy in Guangzhou. GZDS installed one card solution system to the new office building in order to meet the nation's requirements of intelligent building. This system includes administration of access control, time attendance, patrolling, and POS, etc. The system provides employees the great convenience in consumption and time attendance administration. It can improve efficiency and administration procedure to provide self-help service which can further enhance quality of administration and reduce the cost.

User Requirements

1. Access control functions include program, alarm, record and interface.
2. Time attendance functions include program access level, smart scheduling, user-defined reporting and output. System should be highly flexible which can be installed in any reader inside the building for collecting attendance data, and also be installed in the attendance readers for attendance record purpose.
3. POS system applies smart card instead of the traditional items like cash, tickets, and paper card. It must be highly safe and allow full transaction and history log for consumption according to the user-defined requirements. The system can provide consumption information and generate it as report or various formats of documents in order to facilitate data transaction with other system. POS system can be integrated with access gate to enhance stream of people control, and provide self-service terminal in cafeteria to simplify manual operations.
4. System in car park must possess graphic contrast and parking vacancy display function, and one card for one vehicle system in order to ensure high security of parking operations in car park.



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Project Description

1. GZDS is a 25-storey building; three basement floors are car park, another 22 floors are lobby, sales department, restaurant and office respectively. 1/F is Lobby, 2/F is sales department, restaurant is on 3/F to 5/F, and office is on 6/F to 22/F.
2. System allows personnel simply using a smart card saved with personal data for administration of authentication, access control, car park fee collection, and POS. It is expanded to the system of patrol, electronic map, CCTV monitor, sms alarm, tele-communication alarm, abnormal email reminder, conference and training sign-in.