

## Software Specifications

1. Web-based System-Administrator's Login to:
  - a. Add and manage multiple companies
  - b. Add and manage multiple branches of a company
  - c. Add administrator to a branch
2. Add and manage multiple companies from a single server and shared access control infrastructure. Complete confidentiality of each company's data from other company's administrator.
3. Web-based Branch-Administrator's Login to administer all tasks pertaining to an employees and generation of reports
4. Add and manage users with 18 standard and 16 custom fields
5. Define and manage titles/designations of a specific branch
6. Define and manage departments of a specific branch
7. Add employee photograph
8. Assign access card to an employee
9. Define card start and expiry date
10. Assign upto 8 access groups to an employee, out of which upto 4 other branch access groups can be defined
11. Assign current and future time attendance rules to an employee
12. Define privilege level of an employee, one or more than one of the following privileges can be assigned:
  - a. Administrator
  - b. Report Viewer
  - c. Personal Report
  - d. iSpot
  - e. Group User
  - f. Security Administrator
  - g. Security Viewer
  - h. None
13. Assign User Group to an employee. The feature empowers the project coordinators, floor-managers or project managers to manage access & time attendance rules and view reports of a specific user-group. Thus the feature lowers the burden on branch-HR manager
14. Define and manage user groups
15. Special web-based report-viewer's login for generating organizational time attendance and access reports
16. Special web-based individual employee's login to view personal time attendance reports
17. Special web-based Project Manager(PM)'s login to view personalized team attendance reports and assign access and time attendance rules to his/her team

18. iSpot view to spot an employee's current location. This feature empowers the system user such as a receptionist to enquire the presence and position of an employee in business premises, within seconds.
19. Import user information from excel format
20. Export user information to excel format
21. Advanced search form to search users on fixed and mixed search criteria such as: name, department title, access group, time attendance rule,
22. Define and manage Time Codes
23. Define and manage Time Zones
24. Define and manage Holidays (yearly repeatable and yearly non-repeatable)
25. Define and manage Holiday Groups
26. Define and manage Door/Reader Groups
27. Define and manage Access Groups
28. Define and manage Shifts:
  - a. Day Start Time
  - b. Shift Start Time
  - c. Shift End Time
  - d. Late coming half day
  - e. Early going half day
  - f. Minimum full day hours
  - g. Minimum half day hours
  - h. Non-working hours
29. Define and manage Weekly shifts
30. Generate following reports:
  - a. Daily Report
  - b. Individual report
  - c. Individual detailed report
  - d. Daily Summary
  - e. Individual Summary
  - f. Reader Access report
  - g. Employee Access report
31. Export report in various standard formats such word, excel, pdf etc.
32. Support for all smart card technologies such as iClass-any format, HIDprox, Mifare, Desfire etc
33. System can be configured to support various card technologies simultaneously. This feature enables users to easily migrate from one card technology to another or different users to possess different smart cards.
34. Database supported: Microsoft SQL server
35. Configure and manage multiple controllers
36. Configure and manage multiple interfaces to each controller
37. Configure readers as In, Out, Login, Logout or Login-Logout

38. Define and manage door alarms such as door forced, door held, reader tamper, AC fail and battery fail alarms
39. Configure anti-passback on a reader
40. Define and manage digital inputs and outputs from emergency doors, fire alarms, CCTV cameras or any other sensors or actuation devices
41. Define and manage digital outputs based on reader events such as Card read, Card accepted (Access granted) or Card Denied (Access Denied). This feature can help configure CCTV system to perform a certain task when user shows card on the reader.
42. Monitor and control doors and alarm status
43. Monitor and control input-output status in the real time
44. Manage door locks and alarms through commands such as Lock, Unlock, Permanent Lock, and Close Alarm
45. Support for special access control hardware such as turnstiles and boom barriers
46. Support for biometric and smart card based readers
47. Support for special access control hardware such as Turnstiles, boom-barriers etc
48. Seamless integration with existing ERP, HR and legacy systems through specialized database views
49. Distributed and segmented database architecture to manage multiple remote branches
50. Database administration module:
  - a. to take periodic database backups
  - b. to restore database
  - c. to delete undesired log tables
  - d. database replication
  - e. database creation