

Specification of Single door Access control system

1. The Access control system should be of single door access control system which supports EM-lock exit switch and glass breaker
2. The system should Leverage on the merits of IP based systems, it should be easily hooked up on the existing TCP/IP network. Thus the data can be transferred instantaneously in real time mode to a centralized server.
3. The device should have a Facility to onsite upgrade the firmware over Ethernet interface so that any customization or new version can be easily upgraded without any need of removing the device.
4. The access control system shall be capable of interfacing with a range of reader technologies including magnetic Stripe, proximity, wiegand 26-bit, contact and contact-less smart chip cards and for low security areas code only operation.
5. The controller should store up to minimum of 50,000 transactions. It should be capable of supporting up to minimum 10,000 card holder.
6. The system should be capable to record a log file of all system activity, including door access granted, access denied, entry/exit, alarms, system messages, and data maintenance.
7. All hardware mounted in exterior locations must be weather resistant and designed to maintain the aesthetic beauty of the campus. Both controller & power supply unit should be protected with suitable housing so that electronic circuit boards are not exposed to cause any accidental damage.
8. Hardware must continue to fully function in the event that communication to the central Database is lost.
9. The EM-Lock shall be a solid state device for security safe, it should have double protection that it should not fail at any circumstances.
10. The door controller should fully monitor and control the access point doors with individually configurable, standard and extended, time periods for lock release and door open.
11. The system shall be capable of import/export of card database in all formats and alarms and events shall be exported and saved in off-line storage.
12. At the time of renewing the new card, old card number details should automatically be transferred to new card number.

13. The system should be equipped with in built on-board non-volatile real time clock (RTC). Time should be automatically synced with the base time. When the database is online.
14. The system should consist of LCD/LED display provided with key-pads in order to function it has stand-alone system.
15. The system should be supplied with all the accessories required to function.
16. The vendor should come and have site visit to understand the requirement.
17. The system should have the warranty for 3 years.
18. The system should be supplied with suitable Entrepreneur software with lifetime license key.
19. The system should be capable to merge with the existing single door access control software i.e, access control software version 2.4.3 1036
20. The vendor should have the base in Bangalore. Office address and service Engineer contact details should be enclosed with the quotation.
21. The quoted system should be CE/ISO Certified.
22. The past performance/service support in NCBS/Instem/Ccamp should be satisfactory and the technical evaluation will be done accordingly.
23. Technical/Maintenance manuals, Certificate of calibration and inspection from factory to be supplied with system.
24. The offer should have minimum two reference from Bangalore base research institute about product and service support.
25. Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).
26. The system should be quoted with required spares for one year as a part of the offer.
27. The spares for the system should be available with the vendor for minimum 10years and it should be certified by vendor.