

Technical Specifications of RF based Machine, Attendance Software, RFID Cards along with Installation

TECHNICAL SPECIFICATION

Card Based Controller Specifications:

S.NO		Parameters	Technical Details	Compliance (Y/N)	Remarks if any
1	GENERAL	Credential Support	Card, PIN		
		User Capacity	50,000		
		IP 65	Verified		
		Type of Card	EM Proximity		
2	DISPLAY	Display	3.5" TFT Display with Capacitive Touch Panel		
		Display Size	320 x 240		
		Size of Wallpaper	512 Kb		
3	CAPACITY	Cards Per User	2		
		Events Buffer	5,00,000		
4	COMMUNICATION	Mobile Broadband	Yes (3G/4G Support)		
		Ethernet	Yes (10/100 Mbps on Ethernet)		
		Wi-Fi	Yes (802.11 b/g/n)		
		PoE	Yes (IEEE 802.3 af)		
5	INTERFACES	Exit Switch	Yes		
		Door Status Sense	Programmable NO, NC, Supervised		
		Door Lock Relay	Form C, SPDT Relay (Max 2A@30 VDC)		
		Door Lock Power	Internal 12VDC @ 0.5A or External		
		Aux-IN	Programmable NO, NC, Supervised		
		Aux-OUT	Form C, SPDT Relay (Max 2A@30 VDC)		
		Reader Interface types	RS 232, and Wiegand IN/OUT		
		USB	1 USB Port (for Data Transfer and for 3G/4G Dongle)		
6	CONFIGURATION	Reader Types	1 Port for Card Reader / Finger Reader / Card Finger Combo Reader / Third Party Wiegand reader		
		AUDIO-VISUAL	Buzzer	Yes	
		CPU	800 MHz ARM Cortex A8 based Processor		
		Flash Memory	256 MB Flash		
		RAM Memory	512 MB DDR3 RAM		
7	ELECTRICAL	Micro SD Card	Yes (Inbuilt 4 GB)		
		Input Power	12 VDC @ 2A		
		Reader Power Output	Internal 12 VDC @ 0.5 A or External		
		Backup Battery	No Internal battery backup, External Through Power Supply Battery Backup (PSBB)		
8	ENVIRONMENTAL	Humidity	5% to 85% RH Non-Condensing		
		Operating Temperature	0°C to + 50°C (32°F to 122°F)		
9	OTHERS	System Integration	Software API for Software Integration		
		Operational Mode	Direct Door with Server		
		Tamper Detection	Yes		
		Certifications	RoHS, CE, BIS		
		Shock Proof	Yes		
		Real Time Clock	Rechargeable RTC with NTP Server/ GPS Clock		
10	ISO Card Support	Vibration Proof	Yes		
		Proximity - 125 KHz	No ISO Standards		
		Mifare Card - 13.56 MHz	ISO 14443 A Supported		
		HID iCLASS Card - 13.56 MHz	ISO 14443 and ISO 15693 Supported		
		DesFire Card - 13.56 MHz	ISO 14443 A Supported (Read Only)		

Application Software Platform			
S.No.	Specifications	Compliance (Y/N)	Remarks if any
1	Provides User License for 1000* Users		
2	Built on 3-Tier, .NET Platform with MS-SQL and Oracle database, expandable and modular without change in the hardware		
3	Facilitates handling large corporations with multiple remote sites		
4	Supports automatic template distribution of credentials viz. RFID card		
5	Provides raw swipe events		
6	Allows configuration of various software modules		
7	Provides an administrator's interface to manage-monitor data and the individual application modules		
8	Provides creation of login roles & rights		
9	Provides user photo display on large screen during access		
10	Offers multiple user configuration at a time		
11	Provides a search tool to allow authorized system users to examine the audit log files		
12	Allows the assignment of operator levels to define the system components that each operator has access to view, operate, change or delete		
13	Facilitates the door controllers in network to automatically push the data to server		
14	Offers database browse-search functionality utilities to browse the database tables		
15	Supports Dynamic DNS facility, thus eliminating Static IP requirement		
16	Offers virtual message board facility for posting daily notices, news, announcements		
17	Offers integration through database to database, through API		
18	Allows integration with SAP, ERP, HRM, Payroll, Tally through Web API		
19	Provides integration with different hardwares like door controllers, locks, readers, electronic door controlling devices, etc.		
20	Supports database posting, retrieval, removal, backup and restore options		
21	Supports Active Directory integration		
22	Supports automatic and customized SMS & E-mail notifications		
23	Offers generation of informative reports & charts with various filters, customized report templates; and export reports in Excel, Word, RPT, PDF, CSV and XML etc.		
24	Supports automatic E-mail scheduler facility for different reports		
25	Supports automatic database backup facility at scheduled time		
26	Provides user enrolment management software module with user photograph upload facility, user verification functionality, mass enrolment functionality, user name and ID search functionality, etc.		
27	Facilitates superlative range of flexible functions such as Multiple Organizations, Late-In, Early-Out Policy, Overtime Policy, Absenteeism Policy, Multiple Holidays, Holiday Schedules, Manual Entry and corrections of Entry-Exit Events and Attendance Summary		
28	Allows to create multiple branches, department, sections, designations, grades and categories		
29	Offers the leave management module covering different leave type creation, organization-wise leaves, leave request and approvals, leave balance management, leave accumulation and carry forward option and leave encashment option for organized leave management		
30	Sends SMS / Email alerts for various pre-defined events such as User Events, Leave Application, Leave Approval/Rejection, Monthly Attendance, and Missing In/Out Punch to multiple users automatically on the occurrence of any such events		
31	Offers integration through API, database to database, and customized export template		
32	Allows creating 150+ time-attendance, leave, and shifts related reports and colorful charts using various filters and formats, also offers customized reports		
33	Offers generation of various statutory reports		
34	Offers an option to assign a new shift automatically based on user's punch details		
35	Interprets User punches for entry or exit depending on attendance policy configuration		
36	Monitors late-in entry and early-out exit of Users		
37	Allows creating 30 holiday schedule groups with 32 holidays in each group		
38	Send customized SMS and email messages to announce gatherings, meetings, latest news, changed rules, etc.		
39	Offers User-wise and Period-wise options with Late-In, Early-Out, Overtime, C-OFF and Absenteeism Policies		
40	Offers generation of attendance summary that includes various User data like attendance, leaves, weekly off and holidays organization-wise, department-wise and user defined period-wise		
41	Offers creating up to 5 levels of authorization for leaves and tour approval		
42	Facilitates defining common rules and parameters like number of duplicate punches allowed, auto shift correction, maximum late-in/early-out allowed time, password security, etc. as templates that can be applied globally to all users		
43	Supports different access modes such as Card		
44	Real Time Monitoring and Database Storage to server through Auto Push Technology		
45	SMS and Email Notification during Access Rule Violation, Access Route Violation, Duress Detection, etc.		
46	Two person Authentication for high end security at defined Areas		
47	Anti-pass back restricts Second entry if exit punch not found for first entry		
48	Centralized monitoring connecting multi-location from a central place		
49	Allows Users to track their attendance and leave details from anywhere at anytime		
50	Supports PC, Tablet, and Mobile		
51	Allows Users to view their attendance summary, daily/monthly attendance		
52	Allows Users to apply for leave/tour/attendance correction		
53	Allows managers to approve/reject leave/tour/attendance correction		
54	Facility to display message/ notice on the home page of the software for each user		

RFID Card Details:

S.NO.	Specifications	Compliance (Y/N)	Remarks if any
1	Card Dimensions : 54 x 0.82 x 85(mm)		
2	Card Construction : Thin, Flexible		
3	Polyvinyl chloride (PVC) laminate		
4	Operating Temperature : 13° to 158° F (-25° to 70° C)		
5	Working Frequency : 125KHz		
6	Maximum Read Range : 2 - 6 cm		
7	Weight : 9 Gram		
8	ISO Format : 125 Khz		
9	ISO STANDARD : ISO/IEC 14443		

NAME OF FIRM:-

ADDRESS AND MOBILE NO.:

PAN NO :-

GST NO:-

DATE:

S.No.	Item Name	Qty	Unit Price	Tax	Amount
1	RFID Card Based Controller	02			
2	Application Software	01			
3	RFID Card	1000			
4	Installation and commissioning	01			
Total Amount					
Total Tax					
Grand Total					

TERMS & CONDITIONS: -

- (1) Payment will be made after satisfactorily completion of work.
- (2) The firm will be required to complete the work within 10 days from issue of work order.
- (3) The firm is required to execute work as per above detail/specification.
- (4) Lowest bidder is calculated on overall basis of items in Serial no 1-4

Additional Terms And Conditions

1. The whole solution should be from a single supplier to avoid integration issues.
2. Proof-Of-Concept (POC) may have to be demonstrated to show the functionality and capabilities of the devices quoted, if required. Timelines for the same would be 1 week from the date of bidding.

SEAL AND SIGNATURE OF BIDDER