

Overview

iLock controller, designed and manufactured with highest quality standards to control & manage front & back door of Rack / Enclosures. The system is reliable easy to install with minimum support and can be Installed in new Racks and retrofitted on existing Racks.

All critical components installed in 1U enclosure with external connectors for easy installation, different readers & lock options Available to meet the requirement of the industry.

The product consist of three major components

1. Controller
2. Reader
3. Mechatronics Locks



Mechatronic Lock



Mechatronic Lock with Integrated reader



Readers / Operating Module



Features

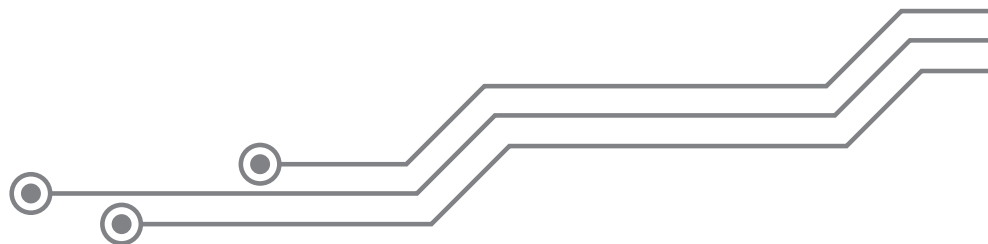
- 1U Rack mountable easy to install with excellent regional support, Value added customizationsupport
- Reliable, robust and scalable solutions
- Industry specific value added feature
- Solutions give a complete configurable facility to control front and back door of server rack
- Lock / unlock the access point depending upon the pre-configured access rules based on credentials and time
- Plug & Play Mechatronic Locks and Readers with RJ45 Connectivity
- Onboard TCP/IP
- Easy Remote Online Firmware Up-gradation, Device Has inbuilt capability for online firmware up-gradation
- Transaction and user Capacity: It stores up to 10000 User/Cards and up to 1,00,000
- Transaction/Events
- Multi card Format Supported: Compatible with all latest card technology, HID-iClass, HID PROX, Mifare, EM Prox
- Dual Authentication Support (CARD + Biometric)
- Dual Door Controller
- Dual Door Single/Dual Reader Support
- Remote door opening
- Support for any Wiegand Reader
- Time-Zone- User based Access Control
- Real Time Alerts and Notifications via Email and SMS on critical events like Door Left Open, Door Abnormal, Door Opened Forcefully etc.
- Alarms for critical events like Door Left Open, Door Abnormal, Door Opened Forcefully etc.
- Ease of Integration with BMS/FMS
- Autonomous system (No dependency on PC based application software)
- Facility to activate/deactivate the user access based on requirement

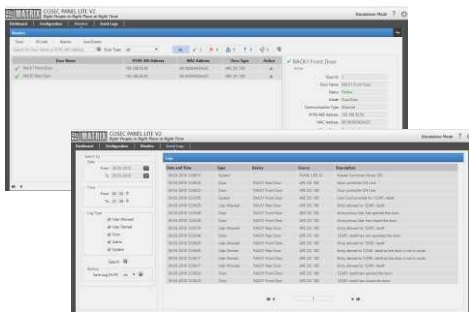
Technical specification - Communication Module

	Parameters	Technical Details
GENERAL	Maximum Door Controllers	255
	Number of Users	25,000
CAPACITY	Door Controllers on Ethernet	255
COMMUNICATION	Communication Interface	Ethernet (10/100 Mbps on Ethernet)
	Protocol	TCP/IP
INTERFACES	USB	1 USB Port (for Data Transfer and for 2G-3G/Wi-Fi Dongle)
	AUX-IN Port	Yes, One Port Available
	AUX-OUT Port	Form C, SPDT Relay (Max 5A@24 VDC or 5A@230 VAC)
OPERATIONAL MODES	Standalone mode	Uses Built-in GUI to Control Door Controller and Users
	Network mode	Uses Feature and Capacity Enhancement for Access Control with Connection to Server
OTHERS	Software	Built-in Interface in Standalone mode with Door Controller
	Certification	CE, RoHS
PHYSICAL	Mounting	1U Rack Mountable
AUDIO-VISUAL	Buzzer	Yes
	LED	Available for Power, Status and Alarm
ELECTRICAL	Input Power	External Power Adapter (12 VDC @ 2A)
	Battery Backup	No
ENVIRONMENTAL	Humidity	5% to 95% RH Non-Condensing
	Operating Temperature	-10°C to + 55°C

Technical Specification - Master Module

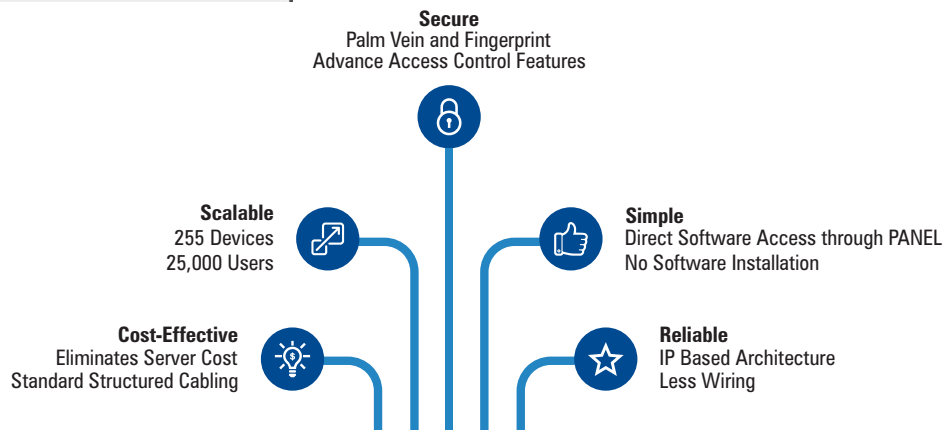
	Parameters	Technical Details
GENERAL	Maximum Readers	Up to 2 Readers (Wiegand and/or RS485)
	Maximum Door	Two Doors
	Mode of Use	Single Door Mode and Double Door Mode
	Event Buffer	1,00,000
OPERATIONAL MODE	Standalone Mode	With Built-in Software in Multi-door site Controller
	Network Mode	With SERVER with or without Multi-door site Controller
READERS	Power	12VDC at max. 150ma per Reader
	Ports	2 Reader Port
	Interface	Wiegand
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 (in Single Door Mode)
	Aux-OUT	Form C, SPDT Relay (Max 2A@30 VDC) (in Single Door Mode)
	USB	1 USB Port (for Data Transfer and for 2G-3G Dongle)
AUDIO-VISUAL	Buzzer	Yes
	LED	2 LEDs (Device Status & Network Status)
ELECTRICAL	Input Power	External Power Adaptor (12VDC/2A)
	Battery Backup	No
ENVIRONMENTAL	Humidity	5% to 95% RH Non-Condensing
	Operating Temperature	0°C to + 50°C (32°F to 122°F)
OTHERS	System Integration	Software API for third party Software Integration
	Certification	CE and RoHS





Over View- Management Software

A web Management software specially designed for Rack access controller this software has unique feature of configuring various parameters offering more flexibility.



Key Features:

- 255 Door Controllers
- Up to 25,000 Users and 500,000 Events
- Real-Time Monitoring and Control
- Ethernet and RS-485
- Integration with Fire Alarm and Video Surveillance

Model Matrix	
Description	Part Numbers
Control Module	
iLock/Master/1U	RAC000
iLock/Add On/1U	RAC001
iLock/Communication Module/1U	RAC002
Operating Module / Readers	
Operating Module / Biometric Reader + Mifare	RAC-003
Operating Module / Biometric Reader + HID iclas, Prox , Mifare, EM Card (Note: Any one card option can be enabled in software)	RAC-004
Mechatronic Locks & Door Status Switch	
Swing Handle Lock/ Mechatronic/1Point	RAC-011-01
Swing Handle Lock/ Mechatronic/3Point	RAC-011-03
Swing Handle Lock/ Mechatronic/4Point	RAC-011-04
Swing Handle Lock/ Mechatronic/1Point/ Intigarted Reader/HID® PROX	RAC-011-01-IR-2
Swing Handle Lock/ Mechatronic/3Point/ Intigarted Reader/HID® PROX	RAC-011-03-IR-2
Swing Handle Lock/ Mechatronic/4Point/ Intigarted Reader/HID® PROX	RAC-011-04-IR-2
Swing Handle Lock/ Mechatronic/1Point/ Intigarted Reader/MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® and HID®iCLASS® UID	RAC-011-01-IR-1
Swing Handle Lock/ Mechatronic/3Point/ Intigarted Reader/MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® and HID®iCLASS® UID	RAC-011-03-IR-1
Swing Handle Lock/ Mechatronic/4Point/ Intigarted Reader/MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® and HID®iCLASS® UID	RAC-011-04-IR-1
Door Status Switch	RAC-012