Checkmate Xe/Xi

FORTUNA

Intelligent Access Controller

New !!
DVR Integration with Access Control

Checkmate Xe/Xi

Checkmate Xe/Xi is a networkable, intelligent, industry standard Access Control Panel. Designed for use in Building Management System (BMS) applications, Checkmate Xe/Xi provides a cost effective solution for Time & Attendance , Access Control & Supervisory Control for Fire & Security Panels.Each Checkmate Xe/Xi can monitor & control upto 4 Reader which control upto 4 doors Entry (Exit with Push Switch) or 2 Doors Entry and Exit or mixed configuration. The Reader & Lock are connected to the Checkmate XT in star connection Hence no intelligent hardware is required at door end.

Checkmate Xe/Xi provides a user configurable intelligent Engine for taking care of any organization's access control needs and is configured using a software , COMPRO XP. All the Access Control decisions are taken by the controller making it truly a standalone system independent of PC. Multiple Checkmate Xe/Xi's can be networked on a RS485 bus or on a Ethernet Network with suitable hardware for larger applications.

Card Reader Technology

Finger Print Reader
Finger Print Reader works on Biometric Technology. Upto 2 fingers can be enrolled. The Finger Print Reader integrated with optional Contact less HID Reader or Smart Card Reader. is used as front end device at the door. Upon Finger Print match, the ID code is transmitted to Checkmate XT for validation.

Contact less Smart Card Reader :
Contact less Smart card Reader works on 13.56 MHz RF based on MIFARE / iClass technology. It is useful where Multi-application card is envisaged. **MicroSMART/R10** Reader (from HID) complaint to ISO 14443 Protocol can be used (Read Range 3").

Proximity Card Reader(RF ID) :
Proximity Reader is based on 125 KHz RF technology and reads the Proximity cards on show within read range .The Entry level **MicroPROX/Prox Point**(from HID) reader has a read range of 3".

Cards :
Proximity cards/Smart cards compatible to respective readers need to be used.The size of the Card is as per ISO Standard i.e. 85 X 54 mm.

Hardware Features

■ **4 Reader Interface**
Panel supports 4 Weigand Reader interface.The Reader type supported is Proximity, Smart Card or Finger Print reader. Readers can individually be upto 100 m cable distance from the Controller.

■ **4 Relay Output for Lock Operation**
The relay outputs are available for Lock Release, & are tagged to one or more Reader for door operation as per requirement.12V wetted contact can be provided from the built-in Power Supply for Lock operation.

■ **4 Exit Push Switch Input**
There is a provision for 4 Exit Push Switches & is paired with the lock,it is going to release.The switch is normal Push Button offering momentary contact. The lock is operated upon usage for Lock On-Time.

■ **4 Door Open Sensor Input**
For monitoring the status of the Door (i.e. Open or Close), Door Open Sensor input is used. The Door open sensor input is paired with a lock. It is useful for Turnstile operation for locking it upon rotation feedback.

■ **4 General Purpose Input (GPI)**
There is a provision for Potential free contact inputs, which can be input from Fire/Intruder Alarm panel & can be programmed to make the Controller Fail Safe /Fail Secure, in emergency situation.

■ **4 General Purpose Output (GPO)**
The General purpose outputs are available for Alarm annunciation in case of emergencies. The GPO's are paired with GPI's.Potential free contact may be optionally provided.

■ **Built-in Lock Power Supply**
A Bulk 12V Power Supply is centrally connected to the controller to power the locks thereby removing the necessity for power supplies near lock. Optionally, UPS with battery may be provided.

Cabling

6 core multi strand (each core 14/36) shielded cable for Reader is used. One Pair each of electrical multi strand cable(each core 1.5 sq mm) is used for Lock operation, Door Open Sensor and Exit Switch. These cables run from each Door to Controller. Cable length should be within 100 m.

Checkmate Xe/Xi
Single Door Access & Attendance System

Checkmate Xe/Xi is a Panel suitable for Single Door Access Control requirement where both ENTRY/EXIT need to be controlled. It has 2 Reader Interface with 2 Relay output.
It can also be used for Access Control for two doors provided only ENTRY need to be controlled (EXIT is using ReX, Request-to-eXit switch).
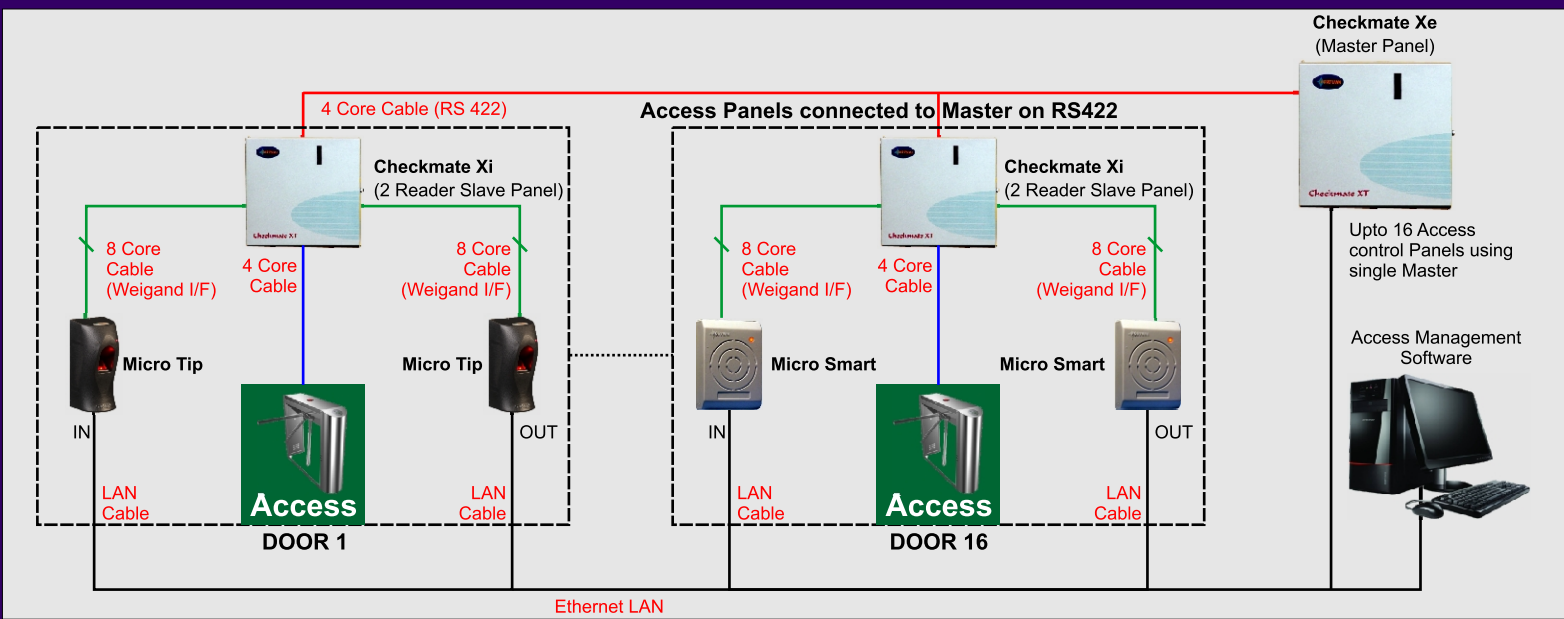
It is ideally suited for decentralized Access Control requirement where individual controller is required to control a door. There is no dependency of multiple doors being controlled by one controller. All the other Access Control features of *Checkmate Xe* is same as *Checkmate Xi*.

COMPUTER CONNECTIVITY
Computer can be connected to a single Controller through TCP/IP, or multiple controllers thru' RS422 upto 1.2 Km in bus topology or thru' a add-on Ethernet interface for plugging into the TCP/IP network. Dial-up support for monitoring panels at remote locations thru dial-up MODEM is also possible. Refer to the System Configuration Diagram for understanding.

COMPRO XP : Configuration, Data Capture & Report Generation Software
Compro XP is WINDOWS based system software.It configures Checkmate Xe/Xi to the user's requirement also captures the transaction data and generates reports for First In Last Out , Movement Report , Access Reports for Access Groups, Visitor IN-OUT reports etc..COMPRO XP can capture data in a continuous manner in on-line mode or in a Batch-mode i.e.collecting the data from the controller manually. Data is available in tables for user to create his own reports or to link to their HR/Attendance/Payroll package.It can be used with **MIS Time Pro** software also.

Access Panels connected to Master on RS422

Checkmate Xe (Master Panel)

Upto 16 Access control Panels using single Master
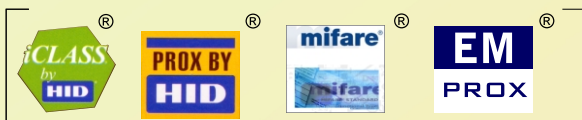
Access Management Software

TECHNICAL INFORMATION

CPU : High Performance 16 bit Microcontroller
Memory : 12500 Transaction Data Storage with ID #, Date,Time and Access Information.Separate table for Event Storage
Battery Back-up : Retention of Clock & Data under power-off
Communication : TCP/IP or RS422 (Ethernet or Modem Connectivity using additional hardware)
Data Upload Speed :1000 Records/Minute(9600BPS)
CPU Power : Wide Range SMPS(170V to 260V@50Hz +/-5Hz,5W)
Lock Power : Built-in 12V/3 Amp Power Supply for Locks
UPS with Battery : Optionally available with 4 hours back-up time
Card Reader Interface : 4/2 Reader 34/26 bit Weigand Interface
Relay Output : 4/2 Potential Free/12V Wet Contact O/P for Locks
Exit Switch : 4/2 Exit Switch Input Interface
Lock Feedback : 4/2 Door Open Sensor Interface for Lock Feedback
General Purpose Input/Output : 4 GPI and 4 GPO(TTL Level)
Dimension : 350mm(H) X 375mm(W) X 90(D) mm
Enclosure : Dust Resistant ,Corrosion Free MS Casing
Colour : Powder Coated Light Gray
Operating Temperature : 0-55 Degree Centigrade
Display : 128X64 Pixel graphic Backlit LCD (Available in Checkmate Xe)

* Specifications are subject to change without notice.

ORDERING INFORMATION

Checkmate Xe : Access Controller with 4 Reader I/F, 4 Relay Output
Checkmate Xi : Access Controller with 2 Reader I/F, 2 Relay Output
UPS with Battery : UPS with battery for 4 hours back-up time
MiniProx/Prox Point Plus : HID®Proximity Card Reader
MicroPROX : Proximity Card Reader with Read Range upto 3"
MicroSMART : Contactless Smart Card Reader (Read Range upto 3")
MicroTIP : Integrated Finger Print and Contactless HID card Reader
DVR XP : 8 Channel DVR with Access Control Intigration
COMCON : RS232C to RS485 Converter
COMCON TCP/IP : RS232C to Ethernet Converter on TCP/IP Protocol
COMPRO XP : Configuration,Data Capture and Reporting Software
PayLITE : Pay Roll Calculation & Generation Software
MIS Time Pro LITE : Time Office Management Software
MIS Time Pro Enterprise:Time Office Management Software for Factory
eTIME Pro : Web based Time Office Management Software
ID Card : (a) Proximity Card (b) Contactless Smart Card (1K/4K)
Door Lock : (a)Strike (b)EM Lock (c)Turnstile (d)Drop bolt (e)Boom
Cable : (a)Reader Cable (b) Communication cable(c) Lock Cable
Accessories : (a)Exit Switch (b) Door Sensor

Supported Technologies :