



- ••• Modular System Extension Board Based
- ••• Centralised Connection
- ••• Configurable to Distributed Architecture
- ••• Support Door, Lift, Alarm Monitoring
- ••• 32-bit ARM RISC Processor
- · · · Alarm Monitoring





Marchine











IP

Door Access

32-bit ARM Processor

Lift

Distributed Architecture

Guard Tour

Alarm





Modular System - Extension Board Based

The system is designed to allow you to extend the capacity by simply adding extension boards
onto it. This gives you the cost advantage when you are implementing minor capacity upgrades.
Moreover, the extension board based design provides a consistent architecture in the system
and thus promotes better maintenance quality by reducing the system learning time.

Centralised Connection

- The cables are terminated in the controller. This allows faster data processing as transfer of data are all done onboard and the readers are directly connected to the controller.
- Centralised connection also promotes better deployment and maintenance quality. The engineers can perform the inspection and service all at one place and this can help to reduce the cost of maintenance operations.

Configurable to Distributed Architecture

- Where remote interfacing of door/reader or I/O are required, the controller supports these remote interfacing modules (RIM) that connect to the controller using RS485.
- This is a flexible and powerful controller capability that gives you the benefit of both useful centralized and distributed architecture in one box.

Support Door, Lift, Alarm Monitoring

- The controller has been built for high end integrated security applications. It can support door access control, car park access control, lift access control and alarm monitoring.
- You can configure the capacity of the system by adding extension boards or remote interfacing modules.

32-bit ARM Processor

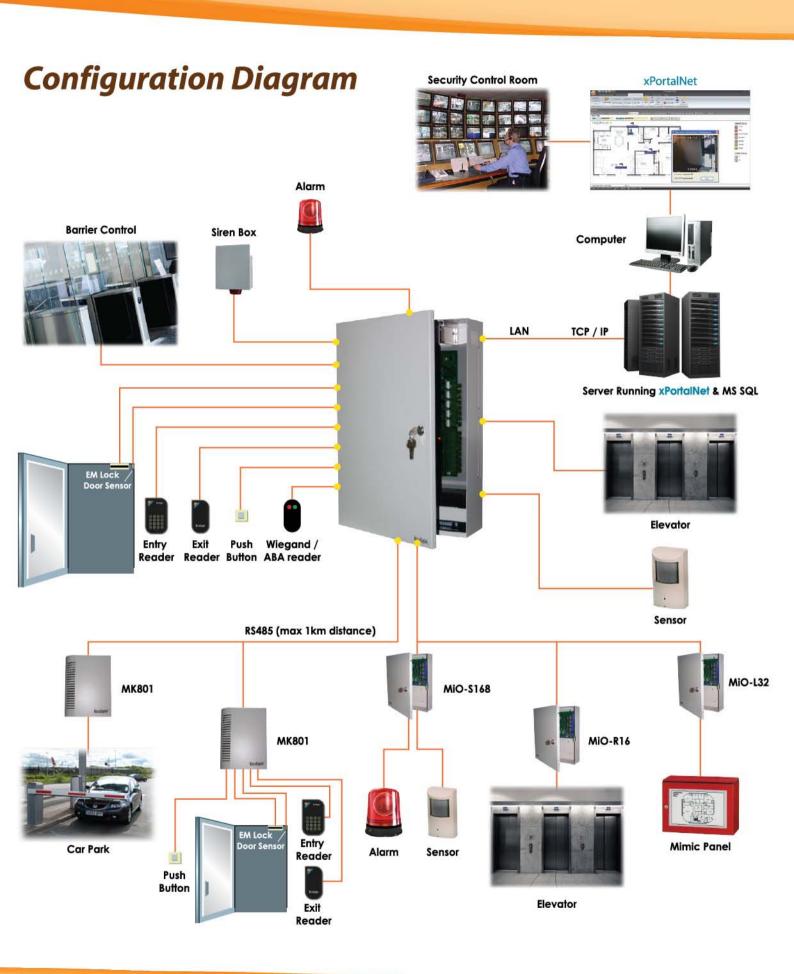
The controller uses the 32bit ARM RISC processor at 72MHz. This
is a powerful processor for industrial applications and it enables
the system to process the complex applications in real-time
manner.

Onboard IP with Encryption

- The controller is equipped with LAN connectivity at 10/100Base-T using TCP/IP protocol.
- It supports push based communication to computer for faster data transfer speed.
- The IP communication is encrypted using industrial standard AES128 for secured communication.

Remote Firmware Download

Firmware can be downloaded from the application software via the IP interface.
 This helps to improve the maintainability of the controller at site. You can update or upgrade the firmware from the computer at site without needing to open the controller box or bring the controller back for service.





SNet Features

SNet 5 Base Controller No. **Features** 1 Max Door Relay Output 8 (5 for Door Relay + 3 General Purpose) Relay Rating: 1A 16 Supervised (As Door Status or General Purpose) 3 Sensor Input Yes. LAN 100 Base T 5 Reader MicroEngine Plato Readers: Max 10 (5 Entry + 5 Exit) • Wiegand / ABA Readers : Max 5 6 Comm Port RS485 to Remote Interface Module • RS485 to Extension Boards Card Number Length 7 Up to 16 Digits Max Card DR 20.000 / 40.000 / 100.000 * 9 Max Transaction DB 50.000 / 100.000 / 200.000 * 10 Time Zone 11 Time Set 12 Floor Zone Global Antipassback 13 Yes Interlocking 15 Access Mode 1. Card + Pin 2. Card Only 3. Pin Only 4. Facility Code 5. Fingerprint Only 6. Card + Fingerprint 7. Pin + Fingerprint 8. Automatic Lock Release 9. Inhibit Access IP Messaging Encryption Yes. AFS128. 16 17 Alarm Monitoring Support Up to 4 Extension Board SNet-E5D: 5 Door Extension Board SNet-E32R: 32 Relay Output Board SNet-E32S: 32 Supervised Input Board SNet-E2481: 24 Supervised Input & 8 Relay Output Board Max Extension Capacity: 5 Doors / 128 Inputs / 128 Outputs Support Remote Interface Yes. Use RS485. Door Interface Unit (Max 10): Module MK801 Reader Interface I/O Controller (Max 10): MiO-S168 - 16 Supervised Inputs / 8 Outputs MiO-R16 - 16 Relay Outputs MiO-L32 - 32 LED Driver for Mimic Panel Use Max Remote Capacity: 10 Doors / 160 Inputs / 160 Outputs ARM RISC Processor at 72MHz 20 Processor 21 Power Requirement 12V @ 500mA (Base Board Only) 22 Onboard LED / Buzzer Yes Remote Firmware Update 23 Yes. Can be done through application software at site. 24 Controller Package PSU 12VDC @ 5A with 12AH Battery

SNet-E5D - 5 Door Extension Board No. Item **Features** 1 Max Door Relay Output 8 (5 for Door Relay + 3 General Purpose) Relay Rating: 1A 3 16 Sensor Input On Board Surge Suppressor 5 Power Requirement 12V @ 5A Communication to Base RS485



Yes

LED Indicator

extension Board		The addition	
No.	ltem	Features	
1	Supervised Inputs	32 Able to detect line being bypassed, cut or triggered	
2	On Board Surge Suppressor	Yes	
3	Power Requirement	12V @ 2A	
4	Communication to Base Board	RS485	
5	LED Indicator	Yes	

SNet-E32S - 32 Supervised Input



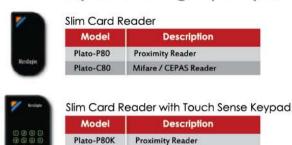




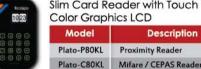
SNet Controller

Plato Readers

Stylish and high quality card reader that provide flexible connectivity



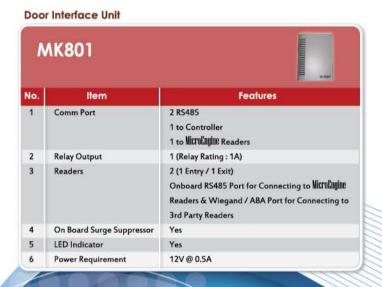
Plato-C80K Mifare / CEPAS Reader



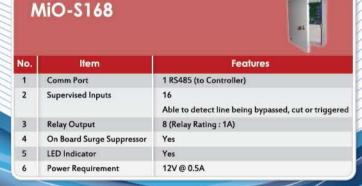
Slim Card Reader with Touch Sense Keypad & Color Graphics LCD Description Proximity Reader

Remote Interface Module

Flexibly allows you to extend the capacity and distance











Security Management Software System Add On Modules Features

Mail	n Features	
No.	Item	Features
1	Client Server	Yes. Up to 20 Clients.
2	System	Door Access / Lift Access / Car Park / Alarm
		Monitoring / Guard Tour
3	Card Holder	200,000 (16 Digits)
4	No. of Door / Readers	1024 Doors / 2048 Readers
5	No. of Inputs / Outputs	1024 Inputs / 1024 Outputs
6	Time Set / Time Zone	1024
7	System Users	Unlimited
8	Software Access Control	Yes. User Configurable Command Level Access Control.
9	Floor Plan System	Yes. Dynamic & with Camera Icon.
10	Database Supported	MS SQL Server / Oracle
11	os	 Windows XP / Vista / 7 Professional (32/64 bits) Windows Server 2003 / 2005 / 2008 (32/64 bits)
12	Microsoft .Net	Yes
13	Communication Supported	RS232 / RS485 / Modem / UDP / TCP / HTTP
14	Controller Supported	SNet - IP 5/10 Door with Alarm Monitoring Flexible Architecture Controller
		CNet - IP 5/10 Door with Alarm Monitoring Distributed Controller
		CPRO - 5/10/20 Door Controller
		CPROA - CPRO with Alarm Monitoring
		CPROL - Lift Access Controller
		M2000i - IP 2 Door Controller
		GTR1200L - IP Single Door Card Reader Controller
		GT3200L - IP Single Door Fingerprint + Card Reader Controller
		M1000X - Single Door Card Reader Controller
15	Time Attendance	Yes. Non-Overnight.
16	Real Time Export	Yes. User Configurable.
17	Model	xPortalNet/3, xPortalNet/5, xPortalNet/20
18	Web Based	User xPortalWEB with Full Web Based UI and

No.	Item	Features
1	CCTV Integration	With Major Brand DVR / NVR Transaction Based Live Video Pop Up Active Recording Trigger of DVR / NVR Based on Configurable Transactions Video Icon on Floor Plan Search Video through System Transaction Log
2	Guard Tour	Online Guard Tour System • 128 Routes Using Reader / Input Point • Alarm Generation
3	Visitor Management System	Visitor Tracking • Multi-Client Software for Visitor Registration and Tracking • Online Visitor Screen / Visitor Blacklist / Alarm • Interfacing to IC Reader / Passport Reader • Camera / Scanner Capture Support • Visitor Pass • Assign Card from Card Database with Auto Sign Out • Transaction Report
4	Photo Badging System	Photo Badge Design / Template Creation Automatic Photo Badge Image Creation by Card Holder Info
5	Multi-Server System	Server Application at Different Computers Sync DB & Event Log with a Master Server
6	User Partitioning	DB / View Partition Assignment by System User
7	Web Time Attendance	Web Browser Interface Leave Management / through Web Browser







Online Monitoring Screen





Ordering Information

No.	Item	Features
1	XP-SNet5	IP 5 Door SNet Controller
2	XP-SNet10	IP 10 Door SNet Controller
3	XP-SNet-E5D	5 Door Extension Board
4	XP-SNet-E32R	32 Relay Output Extension Board
5	XP-SNet-E248S	24 Supervised Input / 8 Relay Output Extension Board
6	MiO-S168	16 Supervised Input / 8 Relay Output Alarm Controller
7	MiO-R16	16 Relay Output Controller
8	MiO-L32	32 LED Driver Controller (for Mimic Panel)
9	MK801	Door Interface Unit
10	Plato-P80	Proximity Reader
11	Plato-P80K	Proximity Reader with Touch Sense Keypad
12	Plato-P80KL	Proximity Reader with Touch Sense Keypad and Color LCD
13	Plato-C80	Mifare / Cepas Reader
14	Plato-C80K	Mifare / Cepas Reader with Touch Sense Keypad
15	Plato-C80KL	Mifare / Cepas Reader with Touch Sense Keypad and Color LCD

No.	Item	Features
16	MPS-320	Power Supply Unit with Charger and Low Power Cutoff
17	MAS-600EMS	MicroEngine EM Lock 6001bs
18	MAS-1200EMS	Microlingine EM Lock 12001bs
19	MAS-PB33	MicroEngine Wide Exit Button
20	MAS-MC	MicroEngine Door Sensor
21	MPC-100	Proximity Card
22	MPC-S1K	Mifare Card 1Kb
23	MCI-XPNET	xPortalNet Security Management Software • Multi Client • Based on .Net Technology
24	MCI-XPWEB	xPortalWEB Web Based Security Management Software • Web Based • Based on .Net Technology • Full Web Based Interface for System Management

For enquiries, please contact:

Configuring the System

The system is powerful and highly configurable, kindly contact our representatives to assist you to configure a system that suit your requirements.

Specifications subject to change without prior notice.