# MicroEngine<sub>®</sub>

**Integrated Security Systems** 

## xPortalNet v1.5

Web-Based Security Management System



## XPortalNet - Web-Based Security Management System

#### **CCTV** Integration

Tightly integrated to Micro Might into of DVRs for viewing and capturing purposes.

DVRs and CCTVs will be shown on the floor plan to ease identification and management.

#### **Alarm Monitoring**

Supports up to 512 inputs / 256 outputs / 256 LED Mimic outputs with event programming. User notification can be achieved through client applications, email and SMS for maximum flexibility.

#### Lift Controller

 Control of up to 96 floors per lift. Support multiple lobby implementation for large scale projects.



 Comprehensive configurations to allow the maximum flexibility in shift and allowance settings. Supports multiple and overnight shifts. Allow for further customisations to suit customer's requirements.

#### Visitor Management System (VMS)

Integrated VMS module to enable tracking, control and recording of visitors.

#### Floor Plan

Comprehensive floor plan control to enable easy viewing and control device of status.

#### **Multiple Workstation**

Time Attendance

Supports multiple workstation using distributed architecture. Users can login from any workstation on the network via the client application or the web browser.

#### Web Server Support

 IIS6 / IIS7 with ASP.NET allows user to login using the web browser from any part of the world.

#### Multiple Connectivity

Devices can be connected to the Server via RS232, RS485 or via LAN /
 WAN. Supports up to 1024 doors.

#### **Mobile Device Support**

Allows user login through mobile devices using the Microsoft .NET Compact
 Framework.



#### **Event Recording**

• You can configure up to 30 event types to associate with a card transaction for a more comprehensive event recording. Events will be associated when the event number is keyed in before flashing the card.

#### Fingerprint Login

Supports for fingerprint based login on top of user ID and password for higher level security.

#### **Configurable Security Mode**

Allows settings to be made on a card to card basis for maximum flexibility. Security mode can be any combination of card, pin and fingerprint validation. Also supports dual validation mode for added security.

#### Configurable Remoting Port

Configurable Port Number settings to adapt to site firewall configurations.

#### Software User Level Control

Each user can be assigned with a particular software access level to ease the management of user access rights. Access level can be configured in terms of menu access as well as actions allowed.

#### **Better System User Control**

Built in features including password expiry checking, wrong password lockout and temporary suspension for better user control.

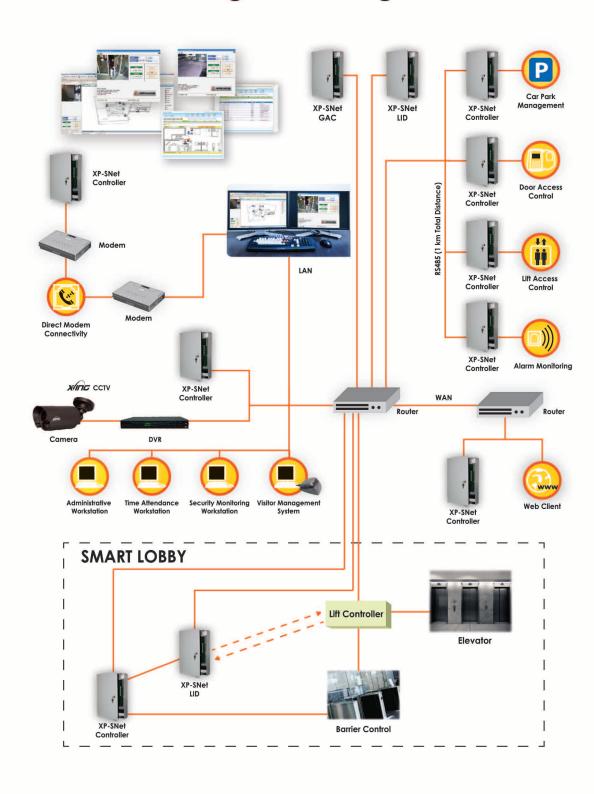








### **Configuration Diagram**





## **xPortalNet**

	Feature	Function			
No.		xPortalNet Lite	xPortalNet Standard	xPortalNet Pro	xPortalNet IS
1	CCTV Integration	No	No	Yes	Yes
	- Panasonic (live preview, event trigger, live recording,			4	4
	screenshot, searching, playback, devices' status monitoring,				
	CCTV alarm integration, PTZ Control, pre and post event				
	playback, PTZ preset activation by event/ manual)				
	- Hikvision (live preview, event trigger)			4	4
	- Dahua			4	4
2	Data Partitioning	No	Yes	Yes	Yes
	(configurable door/ staff that can be viewed and managed,				
	hiding unauthorised data for selection and control)				
3	API	No	No	No	Yes
4	No. Of Concurrent Client Access	3	3	5	5
5	Max. No. Of Concurrent Client Access (Optional)	-	10	20	20
6	Visitor Management	No	Yes	Yes	Yes
7	Badging		Optio	nal	
3	Guard Tour		Yes		
,	Remote Communication Gateway		Optional - Required after 200 con	nections created at the server.	
			Each Remote Communication Gatew	ay adds another 100 connection	is.
10	Multi-Tiered/ Multi-Threaded Design"		Yes		
11	Database		MS SQL S	erver	
		(Note: Limited database & m	nemory size if using MS SQL Server Ex		on well for larger installation
12	Oracle	No	No	Optional	Optional
13	Access Control		Yes		
14	Car Park Access		Yes		
15	Lift Access		Yes		
16	Alarm Monitoring		Yes		
17	Door Monitoring		Yes		
18	Time Attendance		Yes		
19	Card User Capacity	100,000	100,000	200,000	200,000
20	Controller Supported		P-SNet10, XP-P1000i, XP-M1000i, XF		
21	Connectivity	Al -Sivets, Al	LAN/ R		1 -G13200D C1
22	Data Change Audit Trail		Yes		
23	Data Download Activity Logging		Yes		
24	Software User Command Control		Yes		
	A CAMPAN CANDON COMMON ASSOCIATION OF REPORT OF THE CAMPAN COMMON		Yes		
25	Interactive Floor Plan with Auto-Swithing		Yes		
26	Fixed Shift Attendance System		Yes		
27	Who's Still In Reporting Configurable by Door Group				
28	Door Access Level		255		
29	Time Zone		255		
30	Time Set (3 intervals)		255		
31	Holiday		30		
32	Floor Zone		255		
33	Floor Access		255		
34	Live Firmware Download		Yes		
35	Spot Monitor Support	No	3	3	3
36	System User Password (min. 8 characters, expiry date control)		Yes		
37	High Level Lift Interfacing		Yes - Using		
38	Global Antipassback		Yes - Using S		
39	Server runs as Windows Service		Yes		
10	Fire Alarm Door Release by Door Group	No	No	Yes	Yes
1	Configurable Card Number		6 to 16	1.7	
2	Email and sms notification		Yes		
3	Configurable transaction export (Real Time or manual)		Yes		
14	Selective Download to speed up download time	Yes			
15	Push Based Event Upload	Yes			
16	Bulk Download	Yes			
47	Encrypted Messaging		Yes		
48	Device Discovery		Yes		
49	System Info Summary		Yes		
50	Device Diagnostic		Yes		

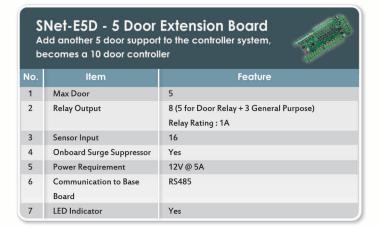


#### **SNet Controller**

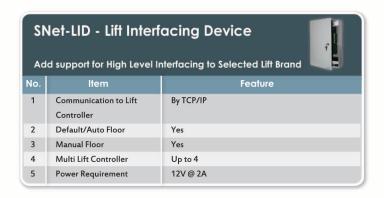
#### SNet Features

Item	SNet 5 Base Controller			
	Feature			
Max Door	5			
Relay Output	8 (5 for Door Relay + 3 General Purpose)			
	Relay Rating: 1A			
	16 Supervised (As Door Status or General Purpose)			
	Yes - LAN 100 Base-T			
	Nicrollying Plato Readers: Max 10 (5 Entry + 5 Exit Wiegand / ABA Readers: Max 5			
Comm Port	Yes  RS485 to Remote Interface Module  RS485 to Extension Boards with Output Mirroring			
Card Number Length	Up to 16 Digits			
Max Card DB	40,000 / 100,000 / 200,000 *			
Max Transaction DB	100,000 / 200,000 / 200,000 *			
Time Zone	255			
Time Set	255			
Floor Zone	255			
Global Anti-Passback	Yes			
Interlocking	Yes			
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 - AES128			
Alarm Monitoring Support	Yes			
Extension	Up to 3 Extension Boards :			
	SNet-E5D: 5 Door Extension Board			
	SNet-E32R : 32 Relay Output Board			
	SNet-E248S : 24 Supervised Input & 8 Relay			
	Output Board			
	Max Extension Capacity:			
	5 Doors / 128 Inputs / 128 Outputs			
	Yes - Use RS485			
Module	Door Interface Unit (Max 10):			
	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			
Processor	ARM RISC Dual-Core Processor at 72MHz			
	12V @ 500mA (Base Board Only)			
	Yes			
Remote Firmware Update	Yes - can be done through application software at site.			
Controller Package PSU	12VDC @ 5A with 12AH Battery			
	Max Transaction DB Time Zone Time Set Floor Zone Global Anti-Passback Interlocking Access Mode  IP Messaging Encryption Alarm Monitoring Support Extension  Support Remote Interface Module  Processor Power Requirement Onboard LED / Buzzer Remote Firmware Update			

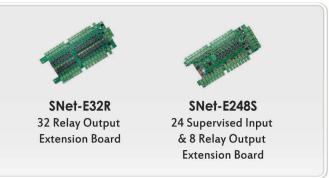
* Depending on	Model
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SNet-GAC - Live Global Antipassback  Add support Global Antipassback by cluster			
No.	Item	Feature	
1	Connectivity to Controller	TCP/IP (Max 128 doors per cluster)	
2	Real Time Location Update	Yes. GAC as centralized look up device with immediate location info update. Readers at other doors immediately obtained the latest location info of the card user. No waiting time required for data synchronization between controller.	
3	Power Requirement	12V @ 2A	

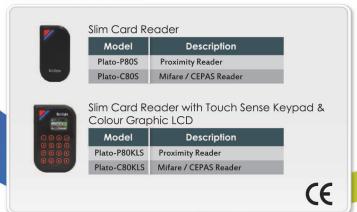


#### I/O Extension Board





#### **Plato Readers**



#### **Encrypted IP Controllers**



#### **Computer Requirements**

#### Server

No	Sustana	Software Model		
No.	System	Minimum	Recommended	
1	CPU (Minimum)	Pentium IV 2.4Ghz	Xeon E5506 2.13Ghz	
2	RAM (Minimum)	8 GB	16GB	
3	OS	Microsoft Windows 2008 Server 64 bit	Microsoft Windows 2008 / 2012 Server 64 bit	
4	Microsoft.Net Framework v2.0	Yes		
5	Microsoft SQL Server 2008 Yes - at least Standard Edition		tandard Edition	
6	Ethernet Yes		es	
7	Serial Port	erial Port Yes		
8	Display (1024 x 768 x 16 bit colours)		es	
9	Mouse/Keyboard	Keyboard Yes		
10	UPS (Recommended)	Y	es	
11	Hard Disk (Minimum Free Space)	300 GB 500 GB		
12	USB Port	Required for	Software Key	

#### **PC Client**

No.	System	Requirement
1	CPU (Recommended)	Intel Core 2 Duo E8400, 3.0 GHz or higher
2	RAM (Minimum)	2 GB (3 GB Recommended)
3	os	Microsoft Win7/Win8 Pro, 2003/2008 Server
	Microsoft.Net Framework v2.0	Yes
4	Ethernet	Yes
5	USB Port / Serial Port	Optional
		(Required for USB desktop reader / serial port
		card reader)
6	Display (1024 x 768 x 16 bit colours)	Yes
7	Mouse / Keyboard	Yes
8	Hard Disk (Free Space)	50 GB

#### **Configuring the System**

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

#### **Order Information**

No.	Product Code	Requirement	
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	XP-M2000i	Encrypted IP 2 Door Controller	
7	XP-M1000i	Encrypted IP 1 Door Controller	
8	XP-P1000i	Encrypted IP PoE 1 Door Controller	
9	MiO-S168	16 Supervised Input / 8 Relay Output Alarm Controller	
10	MiO-R16	16 Relay Output Controller	
11	MiO-L32	32 LED Driver Controller (for Mimic Panel)	
12	MK801	Door Interface Unit	
13	Plato-P80S	Proximity Reader	
14	Plato-P80KLS	Proximity Reader with Touch Sense Keypad & Colour LCD	
15	Plato-C80S	Mifare / CEPAS Reader	
16	Plato-C80KLS	Mifare / CEPAS Reader with Touch Sense Keypad & Colour LCD	
17	xPortalNet Lite xPortalNet Lite Software c/w 1 USB Key (Special Edition		
		3 Client Version, Upto 200 connections	
		Runs on Microsoft SQL Server Database	
18	xPortalNet Std	xPortalNet Standard Software c/w 1 USB Key	
		3 Client Version, Upto 200 connections	
		With Data Partitioning	
19	xPortalNet /RC	xPortalNet Remote Communication Gateway	
		Add 100 connections capacity to xPortalNet	
		Load balancing for more robust operation	
		Runs on Windows Server 2008/2012 64 bit	
20	XP-GTR1200L	IP Proximity Reader with Touch Sense Keypad	
21	XP-GT3200L	IP FingerPrint + Prox Reader with Touch Sense Keypad	
22	XP-GTR3200LCPX	IP Mifare + CEPAS Reader with Touch Sense Keypad	
23	XP-GT1200LCPX	IP FingerPrint + Mifare + CEPAS Reader with Touch Sense Keypad	

For enquiries, please contact:

Specifications subject to change without prior notice.

