XPNETV17 - xPortalNet v1.7
Integrated Security Management System

- QR Code Access
- Access Control
- High-Level Lift Interfacing
- Alarm Monitoring
- Visitor Management
- Guard Tour
- BMS High Level Interface
- API
- CCTV
- Time Attendace
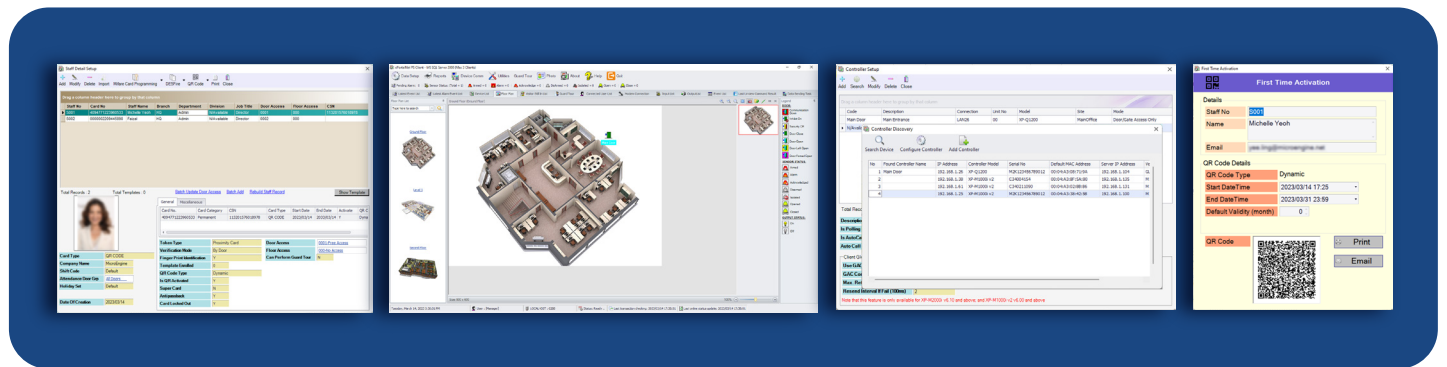- Facial Recognition
- MS SQL Server
- Redundancy

Product Description

MicroEngine xPortalNet v1.7 is an enterprise-level software platform that enables access control management and surveillance across multiple buildings and locations. The software supports various controller models, including M series and Q series, and offers advanced alarm processing capabilities. xPortalNet v1.7 is scalable and provides optional add-on modules to meet different business needs. It is flexible to integrate with third-party systems and includes many other features to provide a comprehensive security solution.

Product Features

■ Redundancy with Hot Standby Server
The redundancy feature is designed to minimise downtime and ensure system availability in the event of a failure. The hot standby system is kept in a ready state, continuously synchronised with the active node, and can assume control within seconds of the failure of the active node.

■ Various Access Token Types
Offers multiple types of access tokens, including MIFARE card (CSN/ Card Id), DESFire, DESFire DFM, QR Code (Dynamic / Static), Fingerprint, ID, and Facial.

■ Efficient Alarm Handling
Provides efficient alarm management with priority levels, response instructions, and audible and visual indicators. The system displays real-time video and relevant floor plans for quick situation assessment and can send mobile or email alerts to security personnel for prompt response.

■ Streamlined Visitor Management
Enables the tracking of visitor movements, searching of past visit records, and blacklisting of unwanted visitors. The system also ensures compliance with data retention principles by automatically removing visitor records and signing out visitors.

■ Using Microsoft SQL Server
Uses Microsoft SQL Server as the DBMS, offering benefits such as scalability, strong security features, and easy integration with other Microsoft technologies.

■ Flexible Interfacing Tools
Offers various interfacing tools such as REST APIs, OPC Data Access, Modbus, TCP push transaction, and more, allowing users to extend the software's functionality and customize it to their specific business requirements.

■ Multi-Tenancy Module
In a multi-tenant environment, the software guarantees data segregation and security by restricting users to only manage and generate reports for their respective partitions. The system empowers partitioned users to manage and configure their own access control settings, without the involvement of system administrators, providing a self-sufficient and streamlined approach to access control management.

Data Sheet | Software

Product Specification

No.	Features	xPortalNet v1.7 PS
1	Controller Supported	XP-M1000i-SE21, XP-M1300i/IP, XP-M2300i/IP, XP-M4L/IP, XP-M4L-SE, XP-SNET/IPC, XP-SNET-GAC/IPC, XP-GTR1500L, XP-GTR1500LABX, XP-GT3500L, XP-GT3500LABX, XP-GT10KL, XP-GT10KLABX, XP-Q1200/IP, XP-Q2200/IP, XP-Q1200i-SE, XP-QNET/IPC, XP-QNET-GAC/IPC
2	Connectivity	LAN
3	Max. Connections (Built-In)	200 (Requires Remote Communication Gateway for additional connections)
4	Remote Communication Gateway	Optional, each instance adds another 128 connections.
5	No. of Concurrent Client Access	3
6	Max. No of Concurrent Client Access (Optional)	20
7	Database	MS SQL Server (Note: Limited database & memory size if using MS SQL Server Express edition and system may not function well for larger installation)
8	Configurable Card Number Length	6 to 16 digits
9	Card User Capacity	200,000
10	Import Card Holder Records	Support .txt, .csv, .xls, .xlsx. Import options include add, update, and delete
11	Server runs as Windows Service	Yes
12	Redundancy	Yes (Optional)
13	API	Yes (Optional)
14	CCTV Integration	Yes Window live preview, event trigger pop-up (up to 4 cameras), live recording, screenshot, PTZ control, searching, playback, pre and post event playback, PTZ preset activation by event. Brand: Panasonic, Hikvision, Dahua, Uniview, Bosch VMS, Hanwha, Milestone XProtect, exacq Vision, Generic RTSP.
15	Multi-Tenancy	Yes Data Partitioning (configurable door / staff that can be viewed and managed, hiding unauthorised data for selection and control)
16	Access Control	Yes
17	Lift Access	Yes
18	Hardware-Based Alarm Monitoring	Yes
19	Door Monitoring	Yes
20	Time Attendance	Yes
21	Online Guard Tour	Yes
22	Door Access Level	255 / 9999*

No.	Features	xPortalNet v1.7 PS
23	Time Zone	255
24	Time Set (3 intervals)	255
25	Holiday	30
26	Floor Zone	255, by controller
27	Floor Access	255
28	High Level Lift Interfacing	Yes - Using SGate
29	Global Antipassback	Yes - Using QNET-GAC
30	Fire Alarm Release by Group (Door, Output)	Yes
31	Device Discovery	Yes
32	Live Firmware Download	Yes
33	Device Diagnostic	Yes
34	Encrypted Messaging	Yes
35	Push Based Event Upload	Yes
36	Bulk Download	Yes
37	Selective Download To Speed Up Download Time	Yes
38	Data Download Activity Logging	Yes
39	System Info Summary	Yes
40	Audit Trail (Data Changes Tracking)	Yes
41	Configurable Transaction Export (Real-time or manual)	Yes
42	Transaction Subscription (TCP Push)	Yes
43	Email and SMS Notification	Yes
44	Action Procedures	Yes (Run an Executable, Send Output Command, Purge Visitor Record, Purge Dormant Visitor Card, Auto Sign Out Expired Visits)
45	Event Triggering (Configurable Trigger Condition and Output Action)	Yes
46	Schedule Tasks (Configurable Schedule Pattern and Action Procedure)	Yes
47	Event Filter By Monitoring Station	Yes
48	Real-Time Occupancy Reporting by Door Group for Roll Call and Emergency Evacuation	Yes (Who's Still In/Out Report)
49	Software Based Alarm Monitoring	Yes (Configurable Alarm Definition, Latest Alarm Event List, Real-time Status Statistics, Audio & Visual Notification)
50	Schedule Tasks (Configurable Schedule Pattern and Action Procedure)	Alarm Description, Selectable Event Type & Device, Priority, Icon, Audio Notification, Instruction/ Guidance, Default Floor Plan, SMS/ Email Notification
51	Latest Alarm Event List	Sorted by Priority/ Date Time, Jump to Floor Plan, Show Instruction, Show Card Holder Info, Acknowledge Alarm
52	Interactive Floor Plan with Auto Switching	Yes
53	Visual Alert for Alarm Events	Easy Device's Location Identification with Flashing Floor Plan and Icon, CCTV Pop-Up up to 4 Channels
54	Floor Plan Setup	User-Definable Icons and Customisable Icon Selection, Import from AutoCAD (optional)

No.	Features	xPortalNet v1.7 PS
55	Intuitive Floor Plan Navigation	Use Map Links to Switch Between Detailed and Overview, Zoom In Or Out with Mouse Movement, Allow for Multiple Maps to be Displayed on One Screen, Resizable for Maximum Screen Use, Zoomable by Clicking on a Selected Map
56	Visitor Management (Sign-in, Sign-out, Blacklist)	Yes
57	Document Reader Integration (MyKad, Passport)	Yes
58	Various Access Token Option for Visitor	Yes Pre-create visitor badge (MIFARE, DESFire, QR Code) or Facial
59	Assignable List of Access Permissions For Visitors (Doors, Floors)	Yes
60	Auto Assignment of Door & Floor Access Level by Tenant	Yes
61	Auto Sign-Out Visitor Upon Visitor Exit at Designated Reader	Yes
62	Visitor Movement Tracking	Yes
63	Searchable Visit History	Yes
64	Facial Recognition (auto enrolment of staff, visitor, blacklisted)	Yes (Optional) Brand: SenseTime, Hikvision, Dahua, Uniview, Suprema
65	Facial Recognition Event Reporting	Yes (Facial Screening List, Online Photo, Identification of Stranger/ Blacklisted, Export Report)
66	Integration with Suprema Controller (Used as Reader)	Yes
67	Wizard	Floor Relay Setup, Floor Zone Setup
68	System User Password (min. 8 characters, Expiry Date Control, Menu Access, Visible Modules)	Yes
69	Full DESFire Card Profile Configuration	Yes
70	Read/ Write DESFire Card	Yes
71	Read/ Write MIFARE Card	Yes
72	Purge Dormant Staff Records	Yes
73	BMS High Level Interface	Yes (Optional) (OPC DA, Modbus)

Data Sheet | Software

Computer Requirements

Server

No.	System	Requirement	
		Minimum	**Recommended**
1	CPU	Intel® Core™ i7-12700	Intel® Xeon Silver 4208
2	RAM	16GB	16GB
3	OS	Microsoft Windows Server 2019, 2022 (64-bit, recommended Standard edition)	
4	Ethernet	Yes	
5	UPS (Recommended)	Yes	
6	Hard disk (Minimum free space)	300GB	500GB
7	USB Port	Required for Software Key	
8	Microsoft .Net Framework	v4.5	
9	Microsoft SQL Server	MS SQL Server 2019, 2022 (recommended Standard edition)	

Client

No.	System	Requirement
1	CPU	10th Generation Intel® Core™ i5 Processor or above
2	RAM	8GB
3	OS	Microsoft Windows 10, 11 (Home & Starter Editions Not Supported) Microsoft Windows Server 2019, 2022 (64-bit, recommended Standard edition)
4	Ethernet	Yes
5	Hard disk (Minimum free space)	50GB
6	Microsoft .Net Framework	v4.0
7	USB	Optional (required for USB smart card reader, webcam, QR code scanner)

***NOTES** :- Computer requirements depend on project size, complexity, and computational needs. Contact us for more information.

Related Product

- ► XP-M1000i-SE
- ► XP-M1300i/IP
- ► XP-M2300i/IP
- ► XP-M4L/IP
- ► XP-M4L-SE
- ► XP-Q1200/IP
- ► XP-Q1200i-SE
- ► XP-Q2200/IP
- ► XP-SNET5
- ► XP-SNET/IPC
- ► XP-SNET-GAC
- ► XP-SNET-GAC/IPC
- ► XP-QNET
- ► XP-QNET/IPC
- ► XP-QNET-GAC

- ► XP-QNET-GAC/IPC
- ► PLATO-P80MS
- ► PLATO-P80KLS
- ► PLATO-S82
- ► PLATO-M82
- ► PLATO-K82
- ► PLATO-Q82

Ordering Information

USB-XPORTALNETPSV17
xPortalNet v1.7 PS edition, USB software license dongle

MKEY-XPNETPSV17
xPortalNet v1.7 PS Edition, Machine Key.

USB-XPNETPSV17/API
Add-On API module for xPortalNet v1.7 PS software.

USB-XPNETPSV17/HLI
Add-On High Level Lift Interfacing module for xPortalNet v1.7 PS software.

USB-XPNETPSV17/CCTV
Add-On CCTV module for xPortalNet v1.7 PS software.

USB-XPNETPSV17/OPC
Add-On OPC module for xPortalNet v1.7 PS software.

USB-XPNETPSV17/CAL-1
Additional 1 No. of Client for xPortalNet v1.7 PS edition.

USB-XPNETPSV17/CAL-3
Additional 3 No. of Client for xPortalNet v1.7 PS edition.

USB-XPNETPSV17/CAL-5
Additional 5 No. of Client for xPortalNet v1.7 PS edition.

USB-XPNETSTDV17/1PA
Add-on 1 Polling Agent for xPortalNet v1.7 Standard edition.

MCI-FR70S-01CONN
Facial Recognition Panel Integration Connection License (Additional 1 FR Connection) for XP-FR70S Facial Recognition Reader.

MCI-FR70S-05CONN
Facial Recognition Panel Integration Connection License (support up to 5 FR Connection) for XP-FR70S Facial Recognition Reader.

MCI-FR-01CONN
Facial Recognition Integration Module with FR Panel License (additional 1 FR Connection)

MCI-FR-05CONN
Facial Recognition Integration Module with FR Panel Based License (support up to 5 FR Connection)

XP-M1000i-SE21
1 Door Network Controller. Max.2 RS485 In & Out Readers Connection. 1 Relay Output & 4 Inputs.10,000 Users, 50,000 Event Transactions. TCP/IP. Din Rail Type.

XP-M1300i/IP
1 Door Network Controller. Max 2 RS485, In & Out Readers / 2 Weigand Reader Connection. 2 Relay Outputs & 6 Inputs. 30,000 Users, 50,000 Event Transactions. TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

XP-M2300i/IP
2 Door Network Controller. Max 4 RS485, 2 In & 2 Out Readers / 2 Weigand Reader Connection. 4 Relay Outputs & 11 Inputs .30,000 Users, 50,000 Event Transactions. TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

XP-M4L/IP
Lift Access Controller. Max 4 COP Panel. 10,000 Users, 50,000 Event Transactions. TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

XP-M4L-SE
Lift Access Controller (4 COP Panel). 10,000 Users, 20,000 Event. Transactions. Encrypted TCP/IP Uplink. Din Rail Type. (MK800E Reader Interface Required)

XP-Q1200/IP
1 Door Advanced Multi-Class MIFARE-DESFire & QR (Dynamic) Network Controller. High Security Dual ID Matching. Max.2 RS485 In & Out Readers/ 2 Weigand Reader Connection. Relay Outputs & 6 Inputs. 20,000 Users, 50,000 Event. Encrypted TCP/IP. Power Supply & Back Up Battery-with Metal Enclosure.

XP-Q1200i-SE
1 Door Advanced Multi-Class Mifare-Desfire & QR (Dynamic) Controller. High Security Dual ID Matching. 20,000 Users, 50,000 Event. Encrypted TCP/IP. Din Rail Type.

XP-Q2200/IP
2 Door Advanced Multi-Class MIFARE-DESFire & QR (Dynamic) Network Controller. High Security Dual ID Matching. Max.4 RS485 2 In & 2 Out Readers/ 2 Weigand Reader Connection.4 Relay Outputs & 11 Inputs. 20,000 Users, 50,000 Event.Encrypted TCP/IP. Power Supply & Back Up Battery. Metal Enclosure.

XP-SNET5
5 Doors Ethernet Access Controller. 5 RS485 In/Out / 5 Weigand Reader Connection. 8 Relay & 16 Input. 50,000 Users, 100,000 Event Transactions. RS485 Communication & TCP/IP. Power Supply 10A, 12VDC & 12AH Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring

XP-SNET/IPC
5 Doors Ethernet Access Controller. 50,000 Users, 100,000 Event Transactions. TCP/IP communication. Power Supply 3A, 12VDC & 7AH Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

XP-SNET-GAC
Master Controller For Global Anti-Passback. Switching power supply battery charger. 12AH Sealed Lead-Acid Rechargeable Battery.

XP-SNET-GAC/IPC
Master Controller For Global Anti-Passback. HENGFU switching power supply battery charger. 7AH Sealed Lead-Acid Rechargeable Battery.

XP-QNET
5 Door Multi-Function IP DESFire QR Network Controller. HENGFU Switching Power Supply Battery Charger. Back Up Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

XP-QNET/IPC
Multi-Function IP DESFire QR Network Controller. Switching Power Supply Battery Charger. Back Up Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

XP-QNET-GAC

Master Controller For Q Series Global Anti-Passback. HENGFU switching power supply battery charger. 12AH Sealed Lead-Acid Rechargeable Battery. 05 Door IP Centralized Controller Board Only.

XP-QNET-GAC/IPC

Master Controller For Q Series Global Anti-Passback. Switching power supply battery charger. 7AH Sealed Lead-Acid Rechargeable Battery.

PLATO-P80MS

Proximity Reader. 125 kHz EM. RS485. ABS Casing. MCMC Certified.

PLATO-P80KLS

Proximity Reader with Keypad & LCD. 125 kHz EM. RS485. Smart Touch Sense Keypad. Graphic LCD Display. ABS Casing. MCMC Certified.

PLATO-S82

MIFARE / CEPAS Contacless Reader. 13.56 MHz ISO14443A / B. RS485. ABS Casing. Small Size. MCMC Certified. (Replacement Model for PLATO-C80S).

PLATO-M82

MIFARE Classic / DESFire Advanced High Security Multi-Format 13.56 MHz ISO14443A / B. Encrypted RS485 - Read CSN and Encrypted Profile ID. ABS Casing. MCMC Certified. (Replacement Model for PLATO-RM80MS).

PLATO-K82

MIFARE Classic / DESFire Advanced High Security Multi-Format 13.56 MHz ISO14443A / B. Color Graphics LCD. Touch Sense Keypad. Encrypted RS485 - Read CSN and Encrypted Profile ID. ABS Casing. MCMC Certified. (Replacement Model for PLATO-RM80KLS).

PLATO-Q82

QR Code and MIFARE Classic / DESFire Multiple Card Format 13.56 MHz. Encrypted RS485 - Read CSN and Encrypted Profile ID . ABS Casing. MCMC Certified. (Replacement Model for PLATO-Q81MS).