

WebENTRA Professional Series

IP Access Control System

The **WebENTRA Professional** is a modular access control product that starts with a 4 or 8 door IP controller. This product family has a highly resilient IP controller module with failover capability, dual CAN bus for interconnecting modules and dual Ethernet host links that eliminates any potential SPOF (single-point-of-failure).

A built-in web browser user interface allows platform independent setup and operation. Any authorized browser log in gives access to online real-time events log, zoom-in floorplans, and a built-in report generator. Alarms can also be acknowledged or reset upon log in. This IP controller comes with a high performance database that supports 150,000 card IDs with a buffer for 1,000,000 events.

The architecture of the WebENTRA Professional series ensure that any system can be easily expanded with optional modules for additional doors and/or I/Os to suit any application.

WebENTRA

PROFESSIONAL Series



Key Features



TLS 1.3 Protocol Support:

Enhance online security and efficiency with TLS 1.3 support.



Seamless User Interface:

Browser-based, featuring floor plans, real-time status, and cross-browser compatibility (Edge, Firefox, Safari, Chrome, and more).



Versatile Access Control:

4/ 8-Door IP access controller featuring Gigabit Ethernet. Modular design enables expansion for readers, inputs, and relay outputs.



Enhanced Availability:

Failover architecture to prevent Single Points of Failure (SPOFs). Options for dual ethernet, dual CAN bus and dual device ports



Direct to Cloud:

Allows the P900 controller to navigate through an internet router and connect to a server in the cloud.



Reader Compatibility:

Supports a range of readers, including Wiegand and RS485 (ADNET, OSDP, CLEX).



Programmable Automation:

User programmable options including Event Action and Python Scripting.



Comprehensive Software Integration:

Seamlessly integrates with **IBSSweb** Enterprise Security Management Software.



User-Friendly Display:

Navikey (Touchscreen LCD) on the controller for easy setup and diagnostic.



SAM Encryption:

Allow for secret keys to be stored in a secure media for encryption implementation.

* For custom projects only

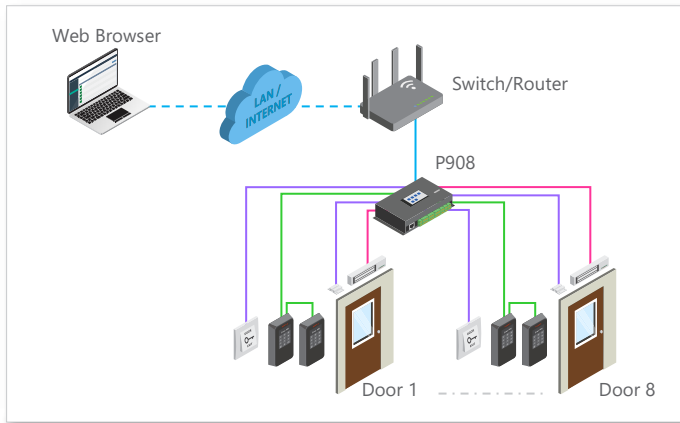


Robust Capacity:

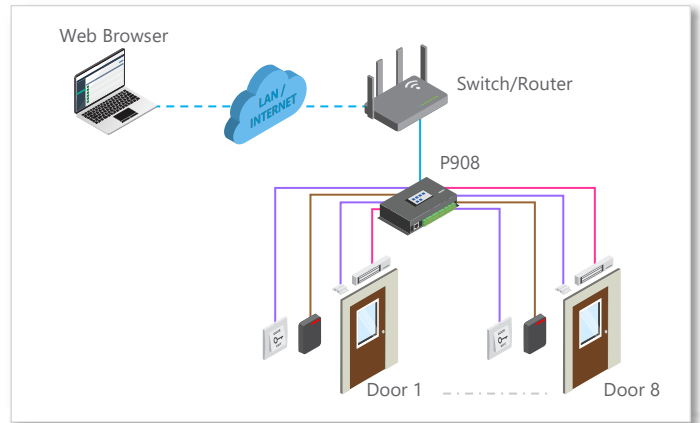
Capable of handling up to 150,000 card IDs and storing 1 million events.

System Design

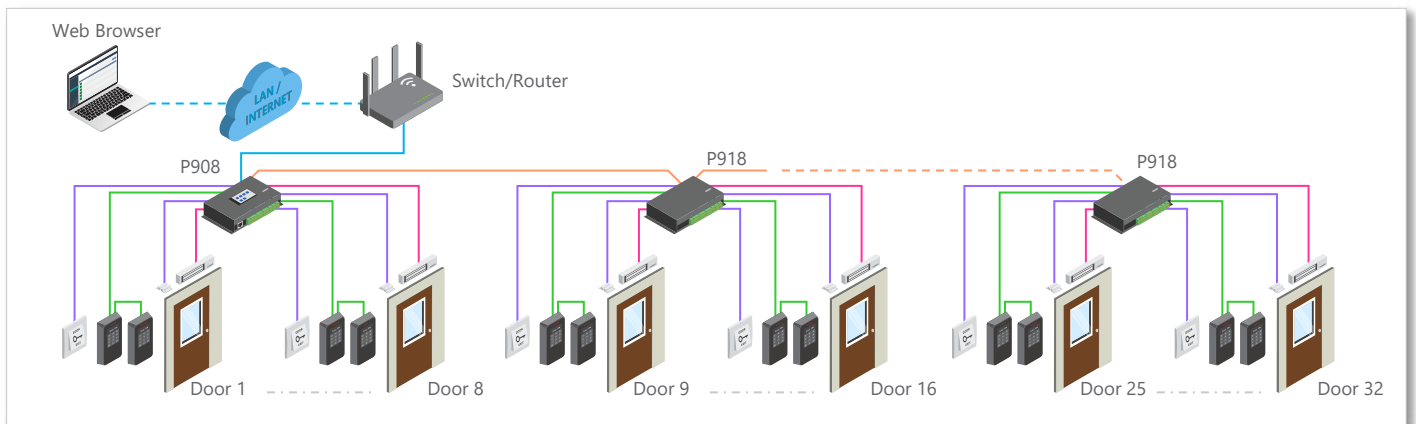
Standalone IP Controller with RS485 Readers



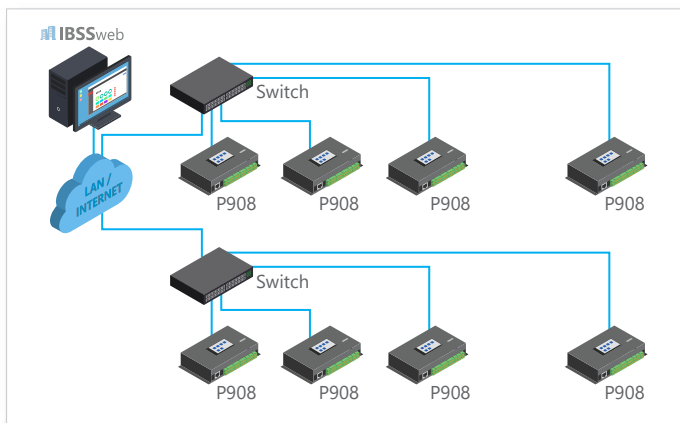
Standalone IP Controller with Wiegand Readers



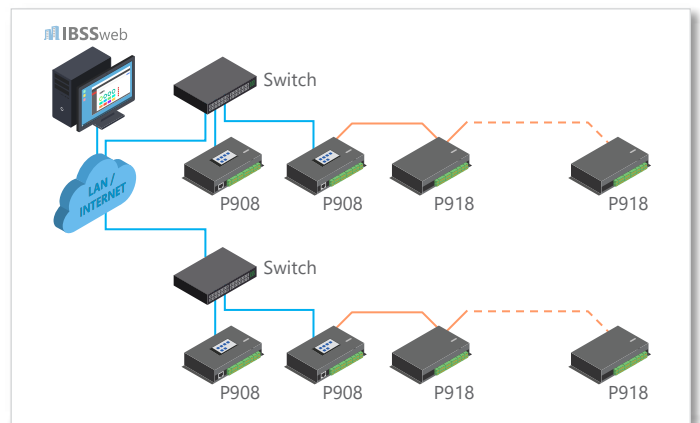
Standalone IP Controller with Reader Modules Configuration



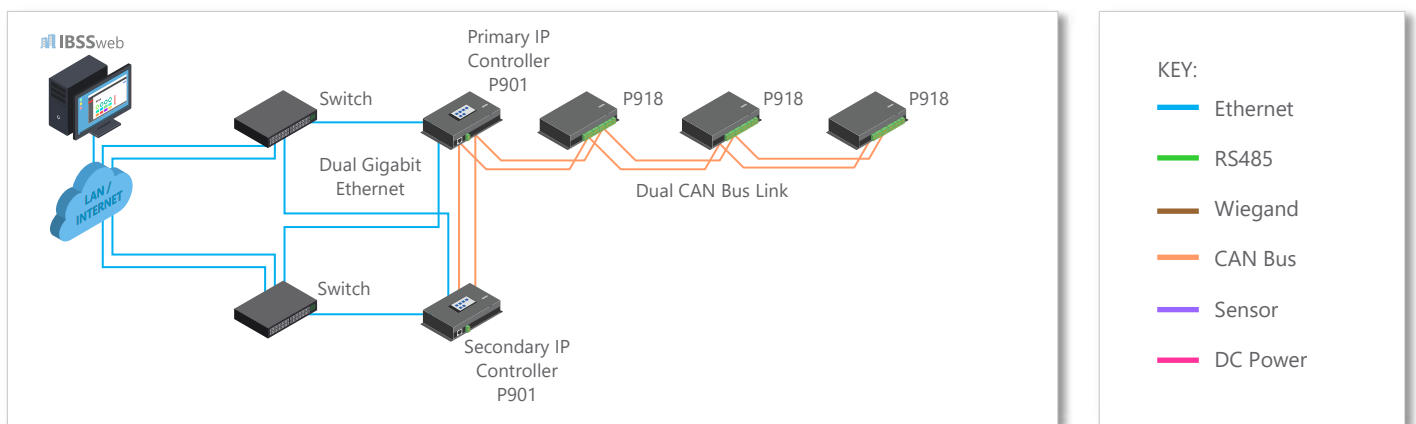
IBSSweb Hosted Multi IP Controller



IBSSweb Hosted Multi IP Controller with Reader Modules



IBSSweb Hosted Multi Redundancy IP Controller



System Benefits



Modular Architecture

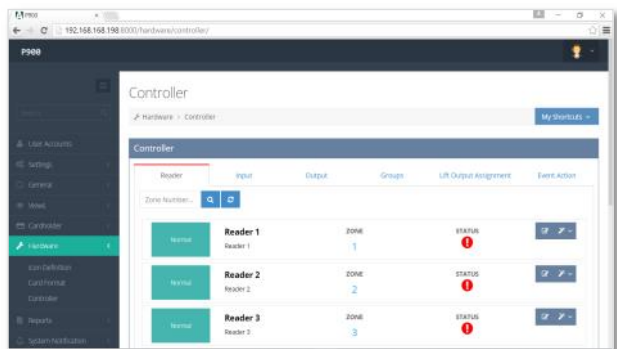
The most basic access control system is made up of an IP controller, P908 or P904 for 8-door or 4-door access control. The IP controller can be expanded with up to 3 units of P918/P914 modules respectively via CAN bus to support additional doors.

P920 (32 inputs) and P930 (32 relays) I/O modules can be added for monitoring and intrusion functions. Each IP controller supports up to 4 I/O modules.



Intuitive LCD Touchscreen Display

Interactive user interface seamlessly integrated into the master controller. Effortlessly access configuration and diagnostics information via the intuitive LCD touchscreen display.



Browser UI

The fully HTML5 compliant web browser is truly platform independent and easy to use. Authorized users can log in using IE, Chrome, Android or iOS.

System setup, diagnostics, database configuration, floorplans and reporting are all available with a simple browser log in without any need to install software.



Reader Support

The P900 controller is designed to be highly versatile and has built-in multi interface support for readers.

The RS485 interface ensures robust and secured data transmission with field proven ADNET communication protocol.

OSDP (Open Supervised Device Protocol) is available with the RS485 interface and suitable for connection to any OSDP reader.

Clex protocol allows for seamless connection to wireless eLock including electronics cylinder lock, electronics door handle & electronics cabinet lock.

Traditional Wiegand readers can also connect to the P900 controller.

System Benefits



Floorplan with Real-time Status Icons

The P900 web server has up to 5 user configurable floorplans with the real-time status icon of every device.

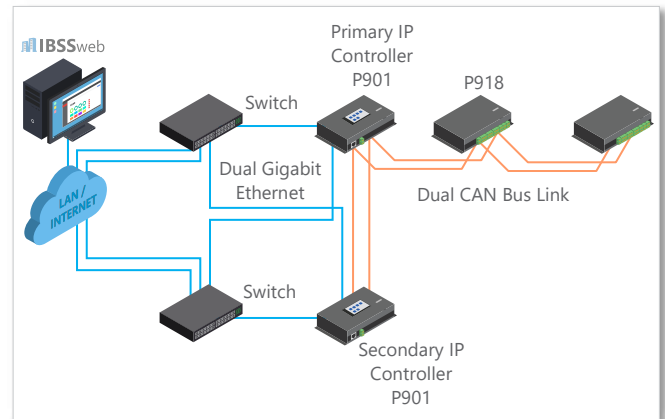
Reader, input and output device's icon can be placed in a floorplan based on the actual installation and show blinking animation whenever alarm event occurs. The online control and alarm management can be done directly from the floorplan.



IBSSweb Enterprise Security Management System

Two or more units of connected P900 controllers can be managed by the **IBSSweb**, a true enterprise Security Management System (SMS) software.

The **IBSSweb** is built on modern IT infrastructure, making it highly scalable and easy to interconnect with other applications which are often required in large scale user environments.



Highly Resilient System Design

The architecture of the P900 controller provides for a highly resilient system to ensure high availability. Two units of the P901 can be configured as primary and secondary IP controllers. The secondary IP controller constantly monitors the heartbeat of the primary controller while continuously synchronizing its database for automatic take over upon failure of the primary IP controller.

With 2 Gigabit Ethernet ports, data communication between the P900 controller(s) and the host server computer is extremely reliable. In addition to network redundancy, every P900 module comes with 2 independent CAN bus ports for redundancy module to module communications link.

No SPOF (Single Point of Failure) design takes care of master controller failover, ensuring smooth and trouble free operations.



Encryption SAM

Encryption is key to any highly Secure access control solution. The P900 controller is capable of 128-bit AES or 3DES encryption. A SAM (Secure Access Module) slot is available on board for SAM insertion in ISO/IEC 7810 ID-0 format (2FF form factor, mini SIM size).

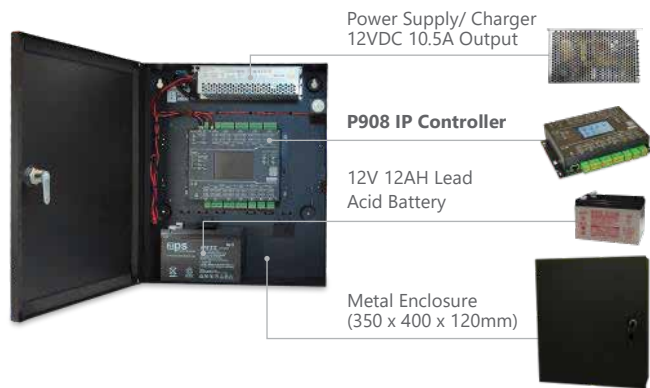
Technical Specifications

Specifications*	P901	P904	P908	P914	P918	P920	P930
Description	WebENTRA PRO Redundant IP Controller	WebENTRA PRO 4-Door IP Controller	WebENTRA PRO 8-Door IP Controller	WebENTRA PRO 4-Door Reader Module	WebENTRA PRO 8-Door Reader Module	WebENTRA PRO Input Module	WebENTRA PRO Output Module
Ethernet Host Link	2x Gigabit (LAN1 built-in, LAN2 Optional)			-	-	-	-
Web Browser Connections	5	5	5	-	-	-	-
CAN Bus	2						
Max Door per Module	0	4	8	4	8	-	-
Max Modules	3x P914/P918; 4x P920/P930			-	-	-	-
Touchscreen LCD	Yes			-	-	-	-
Encryption SAM Support	Yes			-	-	-	-
Supported Protocol	-	ADNET / OSDP (19200bps) / Clex / Wiegand	ADNET / OSDP (19200bps) / Clex / Wiegand	ADNET / OSDP (19200bps) / Clex / Wiegand	ADNET / OSDP (19200bps) / Clex / Wiegand	-	-
RS485 (Device)	-	2x RS485 ports, 8 Readers Max (ADNET, OSDP & Clex)	2x RS485 ports, 16 Readers Max (ADNET, OSDP & Clex)	2x RS485 ports, 8 Readers Max (ADNET, OSDP & Clex)	2x RS485 ports, 16 Readers Max (ADNET, OSDP & Clex)	-	-
Wiegand Ports	-	4	8	4	8	-	-
Alarm Input/ Relay Output	-	16/4	24/12	16/4	24/12	32/8	8/32
Input State	-	LSS disabled: Activate, Deactivate LSS enabled: Activate, Deactivate, Open Circuit, Short Circuit					
Relay Contact Rating	-	12V 2A max					
Card IDs	150,000			-	-	-	-
Event Buffers	1,000,000			-	-	-	-
Schedules	128			-	-	-	-
Multi Lift Group	255			-	-	-	-
DC Power Supply	12V, 1A			12V, 0.5A			
Max. Current (excluding locks)	1A			0.5A			
Operating Temperature	0 - 50°C						
Humidity	90%						
Dimensions	204mm (L) x 165mm (W) x 43mm (H), with connectors						
Weight	0.73 Kg			0.67 Kg			
Certifications	CE & FCC						

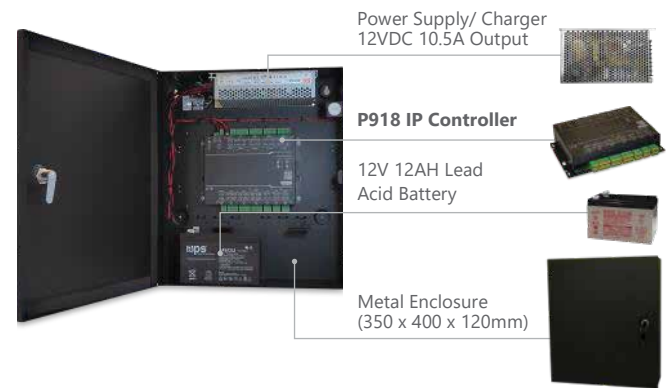
*Specifications are subject to change without prior notice

Package Options

P908K1 WebENTRA PRO P908 Package K1



P918K1 WebENTRA PRO P918 Package K1



NOTE:

a) 1x additional Lead Acid Battery (7AH/ 12AH) can be added for additional battery backup.

Ordering Information

Model No.	Description
P901	WebENTRA PRO Redundant IP Controller - built-in dual Ethernet - with NAVIKEY
P904	WebENTRA PRO 4-Door IP Controller - support 8x Readers with RS485 or 4x Readers with Wiegand - 12 Inputs and 4 Relay Outputs
P908	WebENTRA PRO 8-Door IP Controller - supports 16x Readers with RS485 or 8x Readers with Wiegand - 24 Inputs and 12 Relay Outputs - with NAVIKEY
P914	WebENTRA PRO 4-Door Reader Module - supports 8x Readers with RS485 or 4x Readers with Wiegand - 16 Inputs and 4 Relay Outputs
P918	WebENTRA PRO 8-Door Reader Module - supports up to 16x Readers with RS485 or 8x Readers with Wiegand - 24 Inputs and 12 Relay Outputs
P920	WebENTRA PRO Input Module - supports 32 Inputs and 8 Relay Outputs
P930	WebENTRA PRO Output Module - supports 32 Relay Outputs and 8 Inputs
P901K1	WebENTRA PRO P901 Package K1 - includes P901, APC-155, ABT12AH, AET300
P904K1	WebENTRA PRO P904 Package K1 - includes P904, APC-155, ABT12AH, AET300
P908K1	WebENTRA PRO P908 Package K1 - includes P908, APC-155, ABT12AH, AET300
P914K1	WebENTRA PRO P914 Package K1 - includes P914, APC-155, ABT12AH, AET300
P918K1	WebENTRA PRO P918 Package K1 - includes P918, APC-155, ABT12AH, AET300
P920K1	WebENTRA PRO P920 Package K1 - includes P920, APC-155, ABT12AH, AET300
P930K1	WebENTRA PRO P930 Package K1 - includes P930, APC-155, ABT12AH, AET300
P904K2	WebENTRA PRO P904 Package K2 - includes P904, APC-155, AET300
P908K2	WebENTRA PRO P908 Package K2 - includes P908, APC-155, AET300

Ordering Information

Model No.	Description
P914K2	WebENTRA PRO P914 Package K2 - includes P914, APC-155, AET300
P918K2	WebENTRA PRO P918 Package K2 - includes P918, APC-155, AET300
P920K2	WebENTRA PRO P920 Package K2 - includes P920, APC-155, AET300
P930K2	WebENTRA PRO P930 Package K2 - includes P930, APC-155, AET300
Accessories	
APC-155	10.5A PSU/Charger 12VDC Output
ABT7AH	7AH 12VDC Lead Acid Battery
ABT12AH	12AH 12VDC Lead Acid Battery
P900ETH2	WebENTRA P900 Ethernet Port 2
AET300	AET300 Wall Mount Metal Enclosure (350x400x120mm)