MAXPRO INTRUSION CONTROL PANELS

Cloud-Hosted Integrated Intrusion and Access Control

The Honeywell MAXPRO® Intrusion Series control panels deliver a fully integrated intrusion and access control system solution.

MAXPRO Intrusion (MPI) is part of the MAXPRO family of products, and utilises MAXPRO Cloud for configuration, maintenance, and management.

MAXPRO Cloud is a fully integrated access, video, and intrusion Security-as-a-Service platform. Ideal for small to medium businesses, MAXPRO Cloud makes single or multi-site building security simple and scalable. Users can manage their security system from anywhere at any time via any standard web browser or our innovative award-winning app.

Remote configuration and management of sites, devices, schedules, and users reduces operational costs and streamlines efficiencies across multi-site installations.

Our cloud-ready range of control panels makes installation easy with plug and play connectivity, auto addressing of devices, and cloud-based configuration, reducing your creation costs and installation time.

- Cloud-hosted, scalable, expandable, efficient, no servers or software required
- Secure, HTTPS login and 256-bit encryption, high availability data centres
- Integrated intrusion, access control, and video with plug and play device connection
- Pre-configure accounts, sites, schedules, and people, saving installation time at site
- Configure and manage sites, devices, schedules, permission groups, and users across multiple sites from the cloud
- Designed for small to medium, single or multi-site businesses
- Panel firmware and peripheral updates can be pushed from the cloud without having to roll a truck
- Easily grow and scale with your customer's needs.

It is necessary to register for an account with MAXPRO Cloud before using the MPI control panels.
Visit **www.maxprocloud.com** for details.

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MAXPRO INTRUSION CONTROL PANELS

SYSTEM BENEFITS

- Multi-site deployment made easy with cloud-based configuration and management:
  - Access from anywhere via standard web browser
  - Remote configuration and firmware updates for MPI panel and peripherals reduce truck rolls
  - Map based configuration and management
  - Customizable dashboard and business insights
  - Automated and scheduled reporting
- Single, multi-site user database for access/intrusion and multi-site Permission Groups:
  - Manage user credentials across large scale deployments
  - Integrate access doors and intrusion areas
- Multi-site management via app for iOS and Android™
- Easy to install and cost effective:
  - Modular and scalable
  - Free wiring topology (chain, star, or spur) over standard cable to reduce cabling costs and time
  - Simple plug-and-play IP connectivity
  - Automatic addressing of peripherals: unique device IDs embedded within each device for hands-free enrolment on the system
  - Simple user interface and colour-coded terminal blocks
  - Flexible options for zone supervision types and end-of-line resistor values
- Supports low-power V-Plex bus devices
- Compatible with most legacy cable systems
- Customer remote monitoring of multiple sites (secondary to Central Station monitoring):
  - Web and mobile apps available
  - Push notifications
- Easy video integration: associate cameras to intrusion zones and doors
- Integration with MAXPRO Video cameras and NetAXS through MAXPRO Cloud

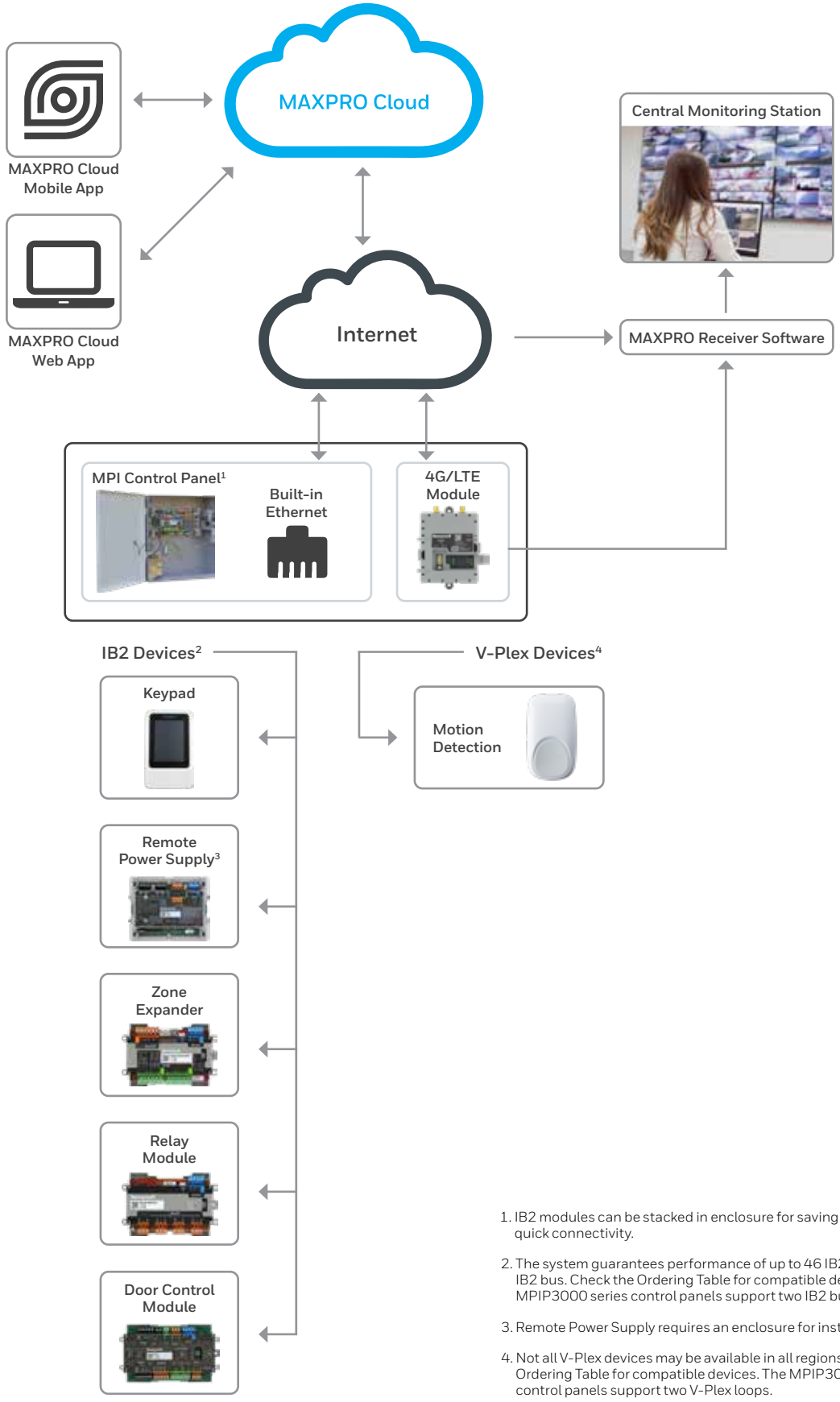
Intuitive User Interface

- Customizable dashboards
- Google Maps
- Dynamic floor plans
- Live control
- Multi-site intrusion, access, and video
- Integrated multi-site viewer
- Multi-site user management (access and intrusion)
- Live alarms & event monitoring

Powerful Mobile App

- Live view and management of video and access control
- Door control and recorded video playback
- Multi-location management

MAXPRO INTRUSION CONTROL PANELS
ARCHITECTURAL OVERVIEW



1. IB2 modules can be stacked in enclosure for saving space and quick connectivity.
2. The system guarantees performance of up to 46 IB2 devices per IB2 bus. Check the Ordering Table for compatible devices. The MPIP3000 series control panels support two IB2 buses.
3. Remote Power Supply requires an enclosure for installation.
4. Not all V-Plex devices may be available in all regions. Check the Ordering Table for compatible devices. The MPIP3000 series control panels support two V-Plex loops.

MAXPRO INTRUSION CONTROL PANELS
SPECIFICATIONS

FEATURE	MPIP2000E	MPIP2100E	MPIP3000E	MPIP3100E[1]
INPUTS (ZONES)				
Max. inputs	60	150	300	600
On-board inputs (total)[2]	10	10	10	10
On-board inputs suited for 2-wire smoke	2	2	2	2
OUTPUTS				
Max. outputs	60	100	200	300
On-board trigger outputs	4	4	4	4
On-board relay outputs	1	1	2	2
Auxiliary power outputs (12 VDC)	1	1	2	2
Monitored siren output	No	No	No	No
Siren power output (12 VDC)	1	1	1	1
Loudspeaker driver for internal siren	1	1	1	1
AREAS AND DOORS				
Areas	10	30	60	120
Doors	10	30	60	60
USERS				
Users	500	2,000	5,000	10,000
Permission groups	30	50	100	300
EVENTS LOG				
Intrusion	1,000	3,000	5,000	10,000
Access	6,000	10,000	10,000	10,000
PROGRAMMING				
Schedules	30	50	100	200
Holidays (per year)	40	40	40	40
Controller Rules	30	50	100	200
BUS NETWORK				
On-board IB2 data bus lines	1	1	2	2
On-board V-Plex device bus lines	1	1	2	2
POWER SUPPLY				
Max. constant current	3.0 A	3.0 A	3.0 A	3.0 A
Battery charging capacity[3]	36 Ah	36 Ah	36 Ah	36 Ah
COMMUNICATION PATHS				
IP/Ethernet	1 on board	1 on board	1 on board	1 on board
Radio communication (4G/LTE)	Optional	Optional	Optional	Optional
CENTRAL STATION SIGNALLING PROTOCOLS				
Contact ID	Yes, via MAXPRO Receiver Software or other receiver compatible with Honeywell ISOM protocol			
SIA	Yes, via MAXPRO Receiver Software or other receiver compatible with Honeywell ISOM protocol			

1. MPIP3100E model coming soon.
2. The total amount of onboard inputs includes the normal inputs and the inputs that are suitable for 2-wire smoke devices. The inputs that are suitable for 2-wire smoke devices can also be used as normal inputs.
3. For 36 Ah battery capacity, you need to install 2 x 18 Ah batteries. You will need a second tamper-protected cabinet to house the second battery.

MAXPRO INTRUSION CONTROL PANELS
TECHNICAL SPECIFICATIONS

PANEL SPECIFICATIONS	
MPIP2000E, MPIP2100E, MPIP3000E, MPIP3100E	
BOARD POWER	
Input voltage	14 VDC nominal (13.6–14.5 VDC)
Current consumption, typical[1]	MPIP2000 series: 230 mA MPIP3000 series: 270 mA
Current consumption, max.[2]	MPIP2000 series: 290 mA MPIP3000 series: 400 mA
Backup battery	Up to 2 x 12 VDC sealed lead acid (SLA) battery
Recommended batteries	Yuasa NP7-12FR; up to 2; Yuasa NP17-12IFR x 1; Yuasa NP18-12FR x 1
Battery protection	System has protection for charging and reverse polarity connection.
Battery low voltage[3]	11.2 VDC
Battery deep discharge protection[4]	10.5 VDC
Minimum supported battery voltage[5]	9.5 VDC
ZONES (INPUTS) (X 10)	
Voltage	3.3 VDC
Resistance tolerance	1% max.
AUXILIARY OUTPUTS	
Power rating	13.8 VDC nominal (10.2–14.4 VDC)
AUX1 (AUX1, IB2 bus 1)	MPIP2000E series: 1.5 A max. / MPIP3000E series: 1.1 A max.
AUX2 (IB2 Bus 2, MPIP3000 series only)	1.1 A max.
AUX3 (External siren and 4G/LTE Module)	1.1 A max.
Total current available for AUX outputs	The combined load from all auxiliary outputs depends on panel model and battery capacity, and must not exceed the maximums as given in the Current Ratings table (see next page).
Auxiliary low power output fault	10.0 VDC
Auxiliary high power output fault	14.5 VDC
Circuit protection	All circuits are power limited using PTCs.
LOW-VOLTAGE TRIGGER OUTPUTS (X 4)	
Trigger output voltage	13.8 VDC (0 VDC with switched) In the event of a failure, overvoltage protection will operate at 16.5 VDC.
Max. current (per output)	300 mA
RELAY OUTPUTS	
Relay 1	Voltage free; contact rating 28 VDC; 2.8 A; resistive loads
Relay 2 (MPIP3XXX panels only)	
COMMUNICATION	
On-board Ethernet	EN 50136-1 SP5
With optional LTE/4G Module	EN 50136-1 DP4
Encryption	TLS V1.2BC
Communication method	Pass-through (Ref. EN 50136-2 Section 6.1.3)
IP alarm receiver	MAXPRO Receiver Software or other receiver compatible with Honeywell ISOM protocol
ENVIRONMENTAL	
Operating temperature	–10 to +50 °C; Indoor use only
Humidity	Max. 93% RH non-condensing
PHYSICAL	
Dimensions (W x D x H)	PCA: 28 cm x 14.5 cm x 4.2 cm (including mounting bracket) As shipped: 35.6 cm x 19.5 cm x 7.8 cm
Weight	PCA (incl. mounting bracket): MPIP2000 series: 502 g; MPIP3000 series: 535 g As shipped: MPIP2000 series: 833 g; MPIP3000 series: 865 g

1. Typical current consumption is for the panel circuit board only and does not include any current drawn from the auxiliary outputs.
2. Maximum current consumption is for the panel circuit board only and does not include any current drawn from the auxiliary outputs.
3. The voltage at which the system will issue the low battery warning.
4. The voltage at which the system will disconnect the backup batteries from the circuit.
5. The voltage at which the system will treat the battery as if it is not there and will not recharge it.

MAXPRO INTRUSION CONTROL PANELS
TECHNICAL SPECIFICATIONS

The table below lists the advised loads to meet regulations based on using a battery at 100% capacity and allowing for activation of a sounder as per the regulation. Loads need to be adjusted if the battery is at less than 100%. There is no restriction other than the permitted load on capacity of battery used. For the purposes of calculation, an allowance of 400 mA to activate the sounder has been included, but not the idle current of the sounder. When calculating the total load, remember to include the idle current of the sounder.

CURRENT RATINGS				
BATTERY CAPACITY	**7 Ah**	**14 Ah**	**17/18 Ah**	**36 Ah[1]**
EN Grade 2; recharge 72 h	300 mA	900 mA	1150 mA	2300 mA
EN Grade 3; recharge 24 h	–	210 mA	350 mA	950 mA
EN Grade 3 with SPPS; recharge 24 h	1450 mA	2200 mA	2100 mA	1330 mA
PD 6662 Grade 3; recharge 24 h	320 mA	900 mA	1150 mA	1230 mA

1. For 36 Ah battery capacity, you need to install 2 x 18 Ah batteries. You will need a second tamper-protected cabinet to house the second battery.

MPI CABINET MPIBXM35	
Type A power supply as per EN 50131-6 when used with MPI Control Panel (MPIPxxxx) or MPI Remote Power Supply (MPIPSU35).	
ELECTRICAL	
Input voltage (AC power supply)	110–230 VAC; 50–60 Hz
DC output	13.8 VDC ±1%
Ripple (max.)	120 mVp-p
PHYSICAL	
Dimensions	41 cm x 36 cm x 11 cm As shipped: 43.5 cm x 37.5 cm x 11.5 cm
Weight	5.1 kg approx. (includes AC power adapter) As shipped: 5.4 kg approx.
Operating temperature	–10 to +50 °C Indoor use only
Humidity	Max. 93% RH non-condensing
Ingress and impact protection	EN 60529:1992+A2:2013: IP42 EN 62262:2002: IK06

MAXPRO INTRUSION CABLING

FUNCTION	SIGNAL(S)	TYPE	MAX. LENGTH	INTERIOR / EXTERIOR
AC power	110/230 VAC	As per local laws and regulations		Interior
Zone	Sensor contact input	Twisted pair or better (core min 0.182 mm^2 / 24 AWG)	100 m (328 ft)	Interior
Inter unit wiring	IB2[2]	• 4-core alarm cable (22/4 STR CM/ CL2); 100 ohms/km max. • CAT 5E UTP 24 AWG.	3.65 km (12,000 ft)	Interior
	V-Plex	See the *MAXPRO Intrusion Installation and Setup Guide* (800-23044-1).		Interior
Ethernet	Ethernet	CAT5E shielded	100 m (328 ft)	Interior
Aerial extension leads	4G LTE	50 ohm low-loss SMA M to F coaxial	Refer to cable manufacturer's recommendation	Interior
External siren	Power, trigger, tamper, and fault	As per manufacturer's recommendation	100 m (328 ft)	Interior

2. IB2 wiring: Use of other types of cables than those listed are at the installer's risk.

MAXPRO INTRUSION CONTROL PANELS
ORDERING TABLE

PART NO.	PRODUCT NAME
CONTROL PANELS	
MPIP2000E	MAXPRO Intrusion P2000E Controller (needs cabinet)
MPIP2100E	MAXPRO Intrusion P2100E Controller (needs cabinet)
MPIP3000E	MAXPRO Intrusion P3000E Controller (needs cabinet)
MPIP3100E[1]	MAXPRO Intrusion P3100E Controller (needs cabinet)
CABINETS	
MPIBXM35	MAXPRO Intrusion enclosure and PSU; medium-size; 3.5 A
COMMUNICATION MODULE	
MPICLTEE	MAXPRO Intrusion 4G/LTE module
IB2 BUS DEVICES	**PRODUCT NAME**
EXPANSION POWER SUPPLY	
MPIPSU35	MAXPRO Intrusion expansion PSU 3.5 A (needs cabinet)
I/O WIRED EXPANDERS	
MPIEIO84E	MAXPRO Intrusion Zone Expander Module, 8 hardwired zones + 4 triggers
MPIEOP4	MAXPRO Intrusion Relay Module, 4 relays
KEYPADS	
MPIKTSMF	MAXPRO Intrusion Touchscreen Keypad Mifare
MPIKTSPRX	MAXPRO Intrusion Touchscreen Keypad Proximity
MPIKW1	MAXPRO Intrusion Keypad Wall Mounting Plate
ACCESS CONTROL MODULES	
MPIDC1	MAXPRO Intrusion 1 Door Control Module (1 door, up to 2 readers)
V-PLEX DEVICES[2]	**PRODUCT NAME**
INTERIOR MOTION DETECTION	
DT8016AF4-SN / DT8016AF5-SN	DUAL TEC motion sensor with anti-mask
DT8016MF4-SN / DT8016MF5-SN	DUAL TEC motion sensor
DT8320AF4-SN / DT8320AF5-SN	DUAL TEC ceiling mount motion sensor with mirror optics and anti-mask
DT8320F4-SN / DT8320F5-SN	DUAL TEC ceiling mount motion sensor with mirror optics
IS3016A-SN	Passive Infrared motion sensor with anti-mask
IS3016M-SN	Passive Infrared motion sensor
MAXPRO CLOUD	
MPC-I003	MPC monthly fee for MPI 2000 & MPI 3000 Intrusion Panels management (per panel)
MPC-IDC0	MPC monthly fee for MPI Door Control Intrusion Panels management (per door)
MAXPRO RECEIVER SOFTWARE	
MPICRX	MAXPRO Intrusion Receiver Full Capacity Licence (beyond 100 connections) Trial version also available.

1. MPIP3100E model coming soon.

2. Not all listed V-Plex devices may be available in all regions. Check the specifications and security grading in the device's datasheet. More V-Plex devices may be available soon. Please contact your local Honeywell Intrusion Sales Representative for the latest updates on availability in your region.

MAXPRO INTRUSION CONTROL PANELS

MPI CONTROL PANEL

This product is suitable for use in systems designed to comply with PD 6662:2017.

This product has been tested for compliance by BRE Global Ltd. UK to:

EN 50131-3:2009 Grade 3 Environmental Class II

EN 50131-6:2017 Type A

EN 50136-2:2013 Category SP5 (DP4 when used with MPICLTEE)

EN 50131-10:2014 Type Z

when used in conjunction with MAXPRO Intrusion enclosure MPIBXM35.

MPI CABINET

This product is suitable for use in systems designed to comply with EN 50131-3:2009 and PD 6662:2017.

This product has been tested for compliance by BRE Global Ltd. UK to:

EN 50131-3:2009 Grade 3 Environmental Class II

when used with certified MAXPRO Intrusion controllers or peripherals.

COMPONENTS OF THE SYSTEM INCLUDE:

MAXPRO Cloud

Control panel

Peripherals

Internet

MAXPRO Receiver software

Central monitoring station

For more information,
www.honeywell. com/security/uk

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THE FUTURE IS WHAT WE MAKE IT

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