



# Access in a BOX

- **Wiegand:** operates on the globally popular wiring standard
- **Convenience:** an easy to use access control system in one neat package
- **Expandable:** out-the-box two doors, scalable to 16 doors with just one controller

Up to **16** doors | **10** languages | **1,000** credential holders



## WHO SHOULD USE THE ACCESS IN A BOX PRODUCT?

Small to medium businesses wanting additional security and convenience, with the added benefit of being able to quickly scale as your business grows.

### PRODUCT BENEFITS

- **Security:** remove the risk of lost or copied keys
- **Languages:** ten languages standard off-the-shelf
- **Mobility:** access your system 24 hours a day through a web page
- **Controller:** includes embedded software, free of charge, and a single controller can manage up to 16 doors

Access in a Box provides all the equipment you need to setup a small access control solution – simply add your cabling and locking accessories, and you're ready to go.

### Built to grow

The box comes with a system for two doors, but expanding up to 16 doors is easy with our plug-and-play equipment – using the same controller and software – no rip and replace, or re-enrollment here. Each box also includes 10 credentials.

### Free software

Our controller includes embedded software for you to quickly and easily setup and manage your access control system. Need extra features, download our free Access Portal Basic software, or you can purchase our Access Portal Pro – all seamlessly compatible with Access in a Box.

### Anti-passback (APB)

Impro is one of the world's first to offer APB door mode for smaller installations. Giving you increased security and peace of mind.

### Access anytime, anywhere

You can access your system from a web browser 24-hours a day. As long as you have an internet connection on your phone, tablet or computer, you can manage everything remotely.

### Easy installation

Simply wire your readers, bring power into the box and you're ready to setup your system in minutes.

Inside the box is a prewired metal housing, which comes standard with a switch mode power supply, fused battery leads and space for an optional 7AH battery.

In addition, the metal housing comes with built-in tamper protection and an external lock.

### Languages

The embedded software ships standard with ten languages, including English, French, Spanish, Portuguese and Chinese. Custom translations are also possible.

# Specifications

## ACCESS IN A BOX - WIEGAND

Model name	Access In a box Wiegand	Wiegand module (IPS)	Multi-discipline reader
<b>Part number(s)</b>	HBW901	HMW901	HRW900
<b>Product description</b>	Single cluster controller & wiegand reader module in lockable metal box with power supply, 2 readers, 10 Mifare tags	1x Wiegand reader Module for use in IPS housing	2 x Non-keypad RFID MDR reader
<b>Colour</b>	Black	N/a	Silver and black
<b>Interface</b>	Web based URL user interface	Diagnostic LEDs	Operation LEDs and sound
<b>Dimensions (d-w-h)</b>	8.2cm x 38.3cm x 31.3cm [3.22" x 15.1" x 22.3"]	5.7cm x 9.9cm x 18.6cm [2.3" x 3.9" x 7.3"]	2.1cm x 4.5cm x 9.7cm [0.8" x 1.8" x 3.8"]
<b>Approximate product weight</b>	4.4 kg [9.7 oz]	300 g [10.5 oz]	15 g (0.53 oz) ea.
<b>Material</b>	Black powder-coated metal	ABS plastic	ABS plastic + metal cover
Electrical specifications			
<b>Input voltage</b>	88 - 132 VAC or 176 - 264 VAC (manually switched)	12 - 15 VDC polarity sensitive	11 - 14 VDC polarity sensitive
<b>Output voltage</b>	13.8 ± 0.3 VDC	N/A	-
<b>Maximum continuous output current</b>	5A	-	-
<b>Power requirements at 12 VDC, relays off</b>	-	140 mA current 1.7 W power	90 mA current 1.08 W power
<b>Relay power requirements</b>	-	Additional 0,4W per relay in use	-
<b>Power input protection</b>	Meanwell switch mode power supply	Reverse polarity and transient voltage protection	-
<b>Digital input type</b>	-	Four dry-contact inputs with end of line sensing	-
<b>Relay outputs</b>	-	Two single-pole, double-throw (SPDT) relays with NO, COM and NC contacts	-
<b>Relay contact ratings</b>	-	10 A at 28 VDC 5 A at 220 VDC 12 A at 120 VAC	-
System specifications			
<b>Processor</b>	Arm Cortex M0 operating at 45 MHz		
<b>Memory</b>	4 KB RAM, 48 KB Flash Memory		
<b>Embedded software</b>	Access Portal Lite		
Other specifications			
<b>Card compatibility</b>	125kHz and 13.56MHz RFID tag support	N/A	125kHz and 13.56MHz RFID tag support
<b>Anti-tamper protection</b>	IPS mounted switch	PCB mounted switch	Optical tamper
<b>RTC</b>	1 x 3 V, CR2032 Lithium cell battery. 2 yrs operating life, 5 yrs storage life		
Environmental specifications			
<b>Operating temperature</b>	-25° to +60° C [-13° to +140° F]		
<b>Storage temperature</b>	-40° to +80° C [-40° to +176° F]		
<b>Operating humidity</b>	0 to 95% relative humidity non-condensing (at +40° C / +104° F)		
<b>Environmental rating</b>	IP20	N/A	IP54
Certifications			
<b>CE (EU)</b>	✓		
<b>UL (US)/ RoHS</b>	✓		
<b>SABS (RSA)</b>	✓		



**Impro Technologies**  
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in the access control industry

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