



# WELCOME IP

## Door entry systems

Connecting to a smarter life of door entry communication.



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**Welcome IP provides a door entry system for a comfortable life and smarter choice, regardless of size and distance.**

**The connectivity provides a solution in commercial, public and residential buildings.**

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# Ease of mind with modular systems

## Full control at your fingertips



### Comfort

ABB always takes pride in user experience and innovates common network technology to create a totally smarter solution that can perfectly meet your every need. We believe comfort, smart living and working are the original of comfort life.

#### Comforting to see

Minimalistic, aesthetic design with high-end material for both outdoors and indoors, the big screen with high resolution images and videos that please your eyes.

#### Comfort to listen

Full-duplex voice transmission allows a maximum of voice quality. Default and customizable ringtones are supported for better recognition.

#### Comforting to feel

The available app enables full remote control, status review and event notification at home or away. When technology overcomes distance, the feeling of home and building is pure pleasure.

#### Comforting to control

The integrated panel enables local control of door communication, access control and Building Automation and more.



### Security

To make you safer and enjoy your own time, ABB combines all the security functions that keep you all day long with peace of mind. With powerful anti-hacker technology installed, there is no need to worry about cyber security issues.

#### Security from duplication prevention

The high security card and reader prevents any duplicates of the card information

#### Security from network isolation

The in-built gateway of the indoor panel and Smart Access Point makes the door communication, access control and home and building automation as a dedicated network system.

#### Cyber security and data privacy

The cyber security ensures the encrypted data transmission via internet.

#### Security from user authentication

Different user groups or different authorities can manage or provide the legitimate access to open any locks at any time you like.





## Simplicity

The real genius of this highly sophisticated system, however, is found in its ease-of-use. It's easy to set up users, search and play back recorded video, back up video, footage recordings and more.

### Easy commission

Quickly create the building structure and scan the QR code of a device to place into the desired location, upload the information into devices. 1-2-3, Done!

### Easy installation

Series of installation box for efficient and effective installation, plus wireless and PoE connection make the system really easy to install.

### Easy setting

The parameter setting and interaction are down to its intuitive browser-free management software.



## Flexibility

ABB's IP innovation provides flexible solutions that can satisfy your own living habit and style. No matter the kind of building, ABB is your trustworthy partner.

### Flexible by scalability

Thanks to the IP platform, it is the ideal solution in residential home, community, commercial building, school, hospitals, without limitation of the distance and the capacity.

### Flexible by modularity

Outdoor station and indoor stations are integrated in a modular concept.

### Flexible by centralization and decentralization

Local connection through home network or remote connection through MyBuildings portal powered by ABB Ability allow access from everywhere.



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**FUNCTIONS**

A protected building and its environment are an essential part of feeling good and being happy. Our systems are designed with an elegant and fashionable outlook that brings good user experience. At the same time, innovative functionality that guarantees more security and comfort.



# Door communication

## ABB-Welcome IP

The outdoor station series can be used in single homes to high-rises, as well as office buildings, industrial properties, hotels and hospitals.

—  
01 Video Pushbutton  
outdoor station,  
Stainless steel

—  
02 Video Keypad  
outdoor station,  
Stainless steel

—  
03 Video outdoor  
station, touch 5",  
Stainless steel

—  
04 Video Barbutton  
outdoor station,  
Stainless steel

ABB-Welcome IP door communication provides you with a highly sophisticated system with HD video communication from outdoor to indoor and indoor to indoor. Distance is now only a matter of IP connectivity, what makes planning and commissioning the simplest matter. And the users will be happy due to a unique and intuitive user interface in all devices. The well-known remote access of the main functionality is ensured by the MyBuildings portal powered by ABB Ability.

- HD camera with infra-red ensures clear images even at night time
- Rustproof, waterproof IP54, vandal proof IK 07
- Integrated status indicator for door status and induction loop for hearing aid
- Clean design with thin installation in both flush and surface mounted
- Access control integration with keypad, DesFire card reader
- Brushed stainless steel and white matt aluminum optional





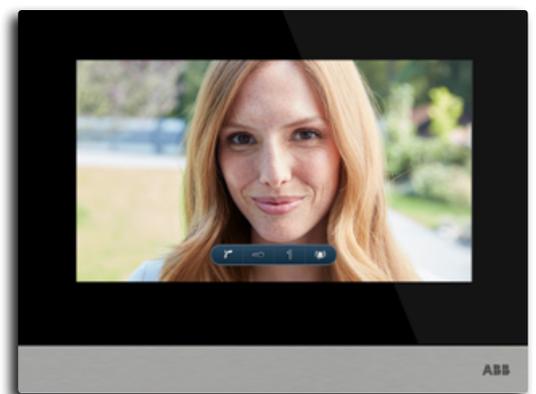


**HD quality in multi-communication channel**

Thanks to IP technology, the residents of the home and building are always accessible to visitors with high definition images transmitted from multi-channel bandwidth. It is much more colorful, brighter, clearer and no interference in communication.

**One screen, all included**

For IP Touch 5 inch outdoor station, different calling types are available, called by intuitively scrolling the directory or room numbers programmable locally or by management software.



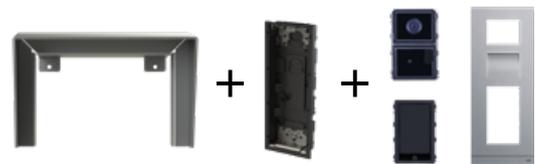
**Installation now easier**

Full range of installation boxes are offered to ensure the quality installation in different situations regardless of concrete walls or cavity walls. The flat flush mounted (7mm) and flat surface mounted (25mm) are both available, both with a very attractive design.

Minimized articles of rain hood, same product with same column of outdoor stations variants, either 1, 2, 3, 4 or 5 modules combination.

**From minimal modules to maximum possibilities**

The “snap-in” modular design enables the individual adaption to the system’s size, design, functionalities and budget to the respective requirements. Expansion and changes are also possible at any time by easily changing the modules.



—  
01 Display  
For messages, code  
and building number

—  
02 Bar pushbutton  
3/6 or 4/8 pushbutton for  
visitor to press for call

—  
03 Round pushbutton  
1/2/3 pushbutton for  
visitor to press for calling

—  
04 Round pushbutton  
1/2/3 pushbutton for  
visitor to press for calling

—  
05 Round pushbutton  
1/2/3 pushbutton for  
visitor to press for calling

—  
06 Keypad with  
alphanumeric input  
Digital inputing  
module for keypad  
outdoor station

—  
07 Big display module  
With integrated  
transponder and keypad

—  
08 A/V module with  
720P camera  
Audio & Video module



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**CONTROL**

IP technology is dedicated to create a more intelligent community that can realize the unlimited connection and control to the devices and third-party platform. It makes every home and building become a comfortable and safe place.





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# ABB-Welcome IP touch

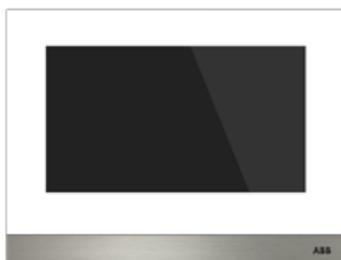
The IP touch 7 and 10 indoor stations are IP-based and provide a far greater number of options for building control.

—  
01 IP touch 7,  
White glass

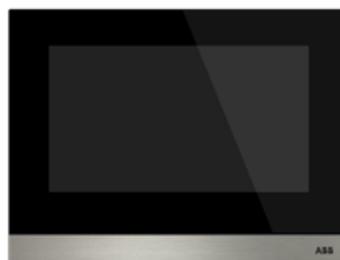
—  
02 IP touch 10,  
Black glass

Powerful and beautiful. The new ABB's IP touch has the most two built-to-last colors: white and black glossy glass are available. The end strips are easy to change with varieties of material and colors optional. The integration with home and building automation makes it the best universal visualization panel in residential and non-residential areas.

- With high resolution display
- Intuitive GUI on sliding screen
- Selection of installation box options ensure easy installation on all kind of walls
- Induction loop for hearing aid
- Only 0.307" depth when flush mounted
- Both LAN and Wifi version to connect to home network



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01



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02





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01

### Home and building dashboard

Main menu with easy settings for door communication, video surveillance. The new ABB's IP Touch ensures that comprehensive functions in a room or entire building are centrally visualized, easy and intuitively operated in a comfortable and efficient manner.

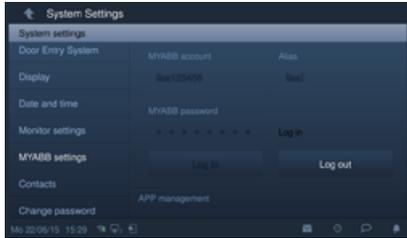
One device, all kinds of possibilities. Reviewing of the snapshot image or recorded video when away from home, always feel confidence in knowing what is going on. It is also very easy when hosting a party to leave an audio message or set the automatic unlock time range.

### Look thin, and act changeable

Extra thin passe-partout is really trend setting. Front frameless genuine glass in black and white plus easy changeable end strip with different color. Extremely slim in both flush and surface mounted situations represents this new series of indoor panels, in a combination of art and science.



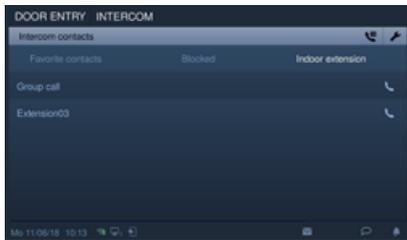
- 
- 01 Dashboard
- 
- 02 App connection
- 
- 03 App
- 
- 04 External intercom
- 
- 05 Internal intercom



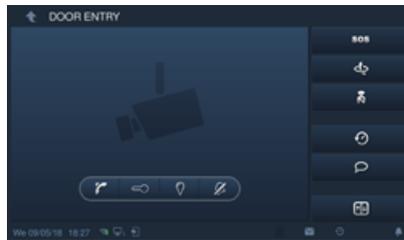
02



03



04



05



**Visualizations tool**

As the comfort interface for advanced setting when connecting the outdoor station. The installer can easily set the parameters using IP touch with comfort.

**Easy App connection**

In-built IPGW allows direct App integration, simply input MyABB account in the screen to activate the function.

**Versatile intercom**

- External intercom
- call other apartment
  - call outdoor station
  - call guard unit

Internal intercom possible

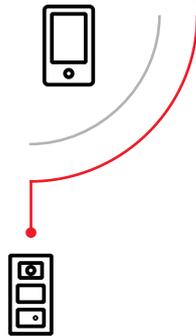
- call all
- dedicated call
- call App

# App & Cloud

## Local and remote management

Every area of the house can be remotely controlled via the App. This helps the users to get access to every system from everywhere.

The App is a cloud based integrated platform working with both iOS and Android. It allows you to use your smart phone or tablet managing the calls from IP Touch 7" or 10", digital cylinder and surveillance locally or remotely. You can also set up your customized App with as many steps as you wish. Thanks to MyBuildings portal, the remote connection is totally automated and managed with the highest level of security and data privacy. No special settings need to be made on the internet router for this solution.



### Door entry communication

- Local and remote unlock, light switching, mute call guard
- In-call volume and ringtone adjustment possible
- Internal intercom to App
- SOS
- Control the load on the associated actuator





Welcome App offers a lot of functions and applications depending on your daily habit. Most frequently used functions can be categorized in your easily recognizable place for comfort access and use.



#### **One App satisfies all the system combinations**

Welcome App is a bottom up integrated platform. It can not only work separately with door communication, and video surveillance, but also works with two or all systems together. What is more, the App will be compatible to 2 wire analog Welcome system, the icons and interface will be automatically adapted to the system for you to use.



#### **Accessible anytime, anywhere**

With ABB MyBuilding Portal you can always connect with your home or building anytime around the world. Welcome App makes it possible to identify and welcome the visitor, viewing the snapshot or real-time video stream not only at home, but also out of home in any place.



#### **Configuration mode**

Welcome App is not only for the end user, but also for the installer. After entering the configuration mode into the App, the QR code scanning can be utilized to create the building and floor structure efficiently that will help to easily visualize the project. Comfortable, easy and efficient commissioning to set up smartIP into a new benchmark for IP system.



#### **History log review**

Keep track of visitors and guests going in and out of the building. Dedicated door with time-stamp and date of use, stored locally and in the cloud. Full control at your hands. That is your unique Welcome App.

# Property Management and Service

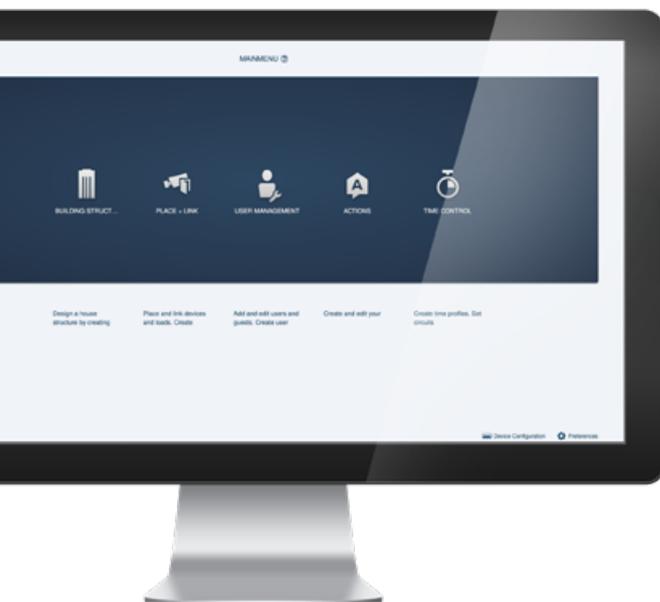
## One software for all applications

The system can be equipped with guard unit in the property management rooms for easier communication indoor and outdoor stations.

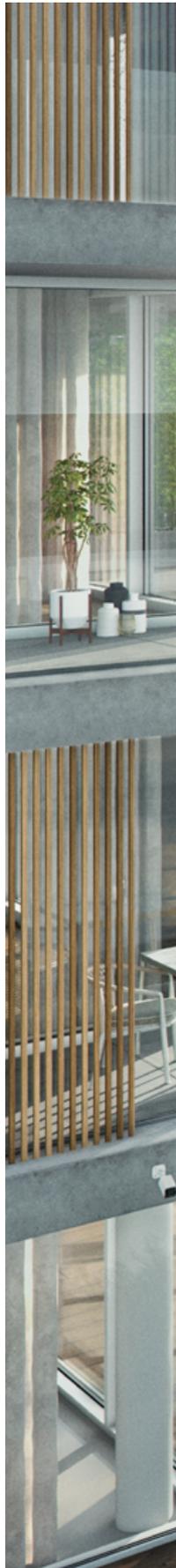
### Smart Management Software

The versatile system is also equipped with property management software, either with a web based version running in the Smart Access Point for small to medium size projects or PC software for big projects which can support above 500 devices. This makes maximum security and convenience possible for homes and buildings.

- Intuitive GUI with drag and drop features makes the configuration easy and efficient
- Flexible offering with standard version running server in the Smart Access Point (support devices  $\leq 500$ ) or premium version running the server in PC (no limitation of devices managed)
- Support different versions of web-browser
- SOS message sending to all devices in case of emergency
- Easy to configure the App for system or CCTV system



The Smart Management Software guides the users easily through the setup of the applications







#### Easy management

Manage all your users in one place with just a few simple clicks. You have the opportunity to individually determine who enters when and where, who has the right to view which camera. And if you want to change that just log-in, make your changes and it's done.



#### Manage all connected devices

You can manage all connected devices, configure parameters for each device locally or remotely. E.g. to send the personalized Welcome message to the dedicated touch outdoor stations, or to push the floor plan during commissioning to all the indoor stations. You can also manage and upgrade firmware of connected devices, whose latest firmware are pushed from the internet.

**Easy commissioning**

Illustrate very clearly with graphical building and vivid device icons, just 3 steps for the commissioning. First, set up floor plan with its floors and room; second, assign each connected device in the existing floor plan; finally, combine different devices according to your requirements.

**Enhanced security with record event log and receive notification and alert**

Keep track of visitors and guests going in and out of the building; a photo and time-stamp will capture and log all door access events locally and in cloud-based storage, where you can conveniently access the event log at any given time.

**Action among different systems**

You can customize the “When-then” relationships between different systems. This allows rules to be created, such as implementing an automatic shading function: “if the door is released, activate camera to make a snapshot”. Or you can create an automatic notification.

**Building-wide messaging**

Communicate with residents easily by utilizing the building-wide messaging capability. Or send a management message to the indoor stations with scope easily determined by the property managers. Either to all or certain parts of the building or users.



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# IP Guard Unit for concierges

## Supports 24/7 building security

ABB highly regards the value of the guard unit in terms of its contemporary design and functionality; as well as modern touch display for a convenient user experience.

The guard unit with desktop design provides access to various services using the intuitive icon menu on the touch screen. Communication is possible with IP touch panel, outdoor station and other guard units.

- One of the best modern and high end aesthetic designs
- Metal desktop with brushed aluminum for device body
- Capacitive 7" multi-touch screen
- High resolution 1024 x 600
- Intuitive GUI for easy scrolling operation
- Hands-free and handset communication to combine privacy and ease
- Unlock all doors or dedicated doors in case of emergency
- Intercom with residents or the other guard
- Sending and receiving messages from indoor stations and Apps

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01 IP Guard Unit  
for concierges



—  
01





#### **Easy directory management**

Considering the situation that requires hundreds or even thousands of names in the IP guard unit, it would be a terrible situation. Now thanks to the management software, the building directory list can be created and imported from the PC, which is more natural, comfortable and efficient.



#### **Day and night interception**

Don't worry the moment when the security guard is off work during the night. The Welcome IP guard unit now supports the manual or automated day mode and night mode switching with configurable time ranges determined by the guard that will improve the building security all day long.

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# Applications

## Multiple connections and possibilities

The IP connectivity brings all systems together to create a smartIP ecosystem for a holistic building solution in commercial, public or residential buildings.

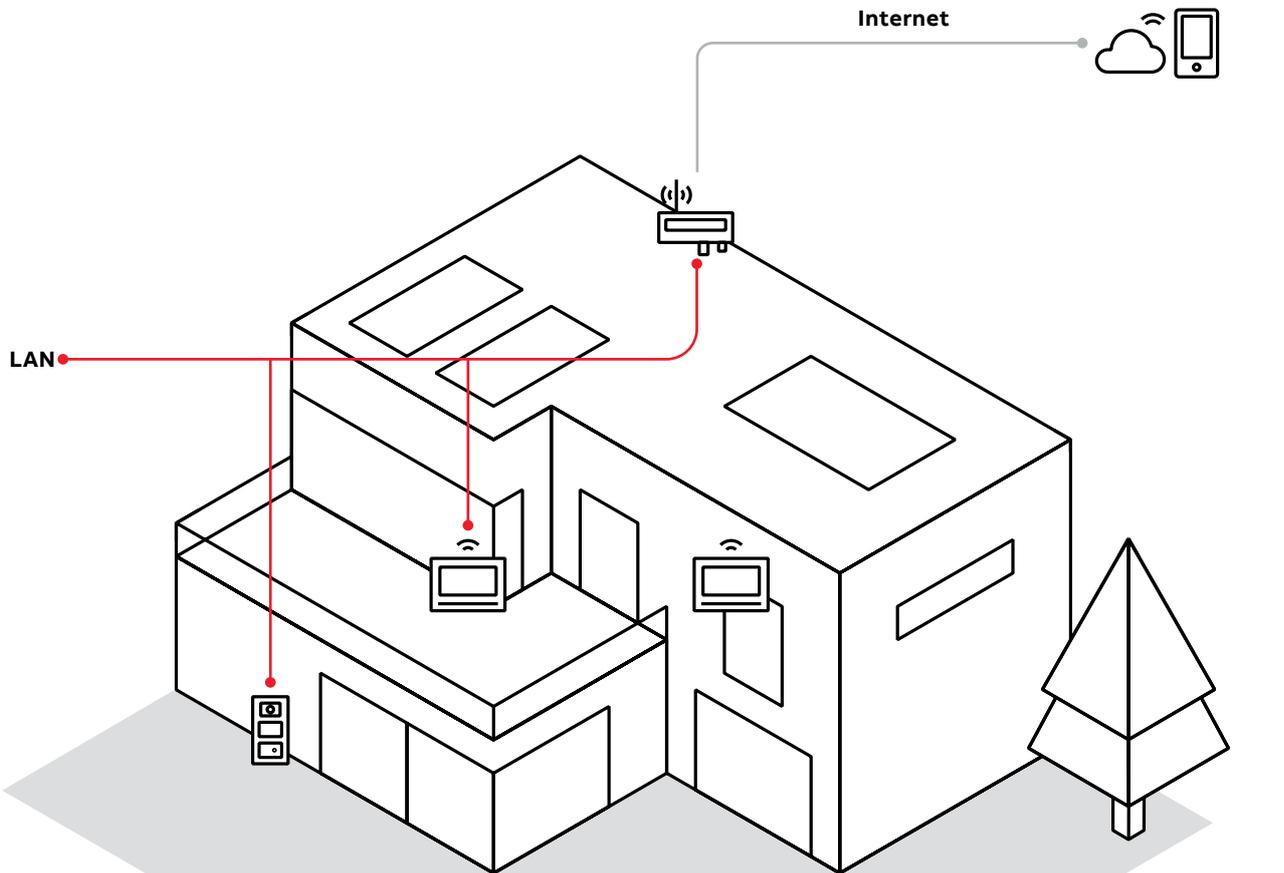




# Applications

## Door communication

The door communication ABB-Welcome IP breaks the limitation of distance and apartment quantity. Property management can monitor all the entrances and welcome the guests. At the same time, owners can use the App to open the door remotely.



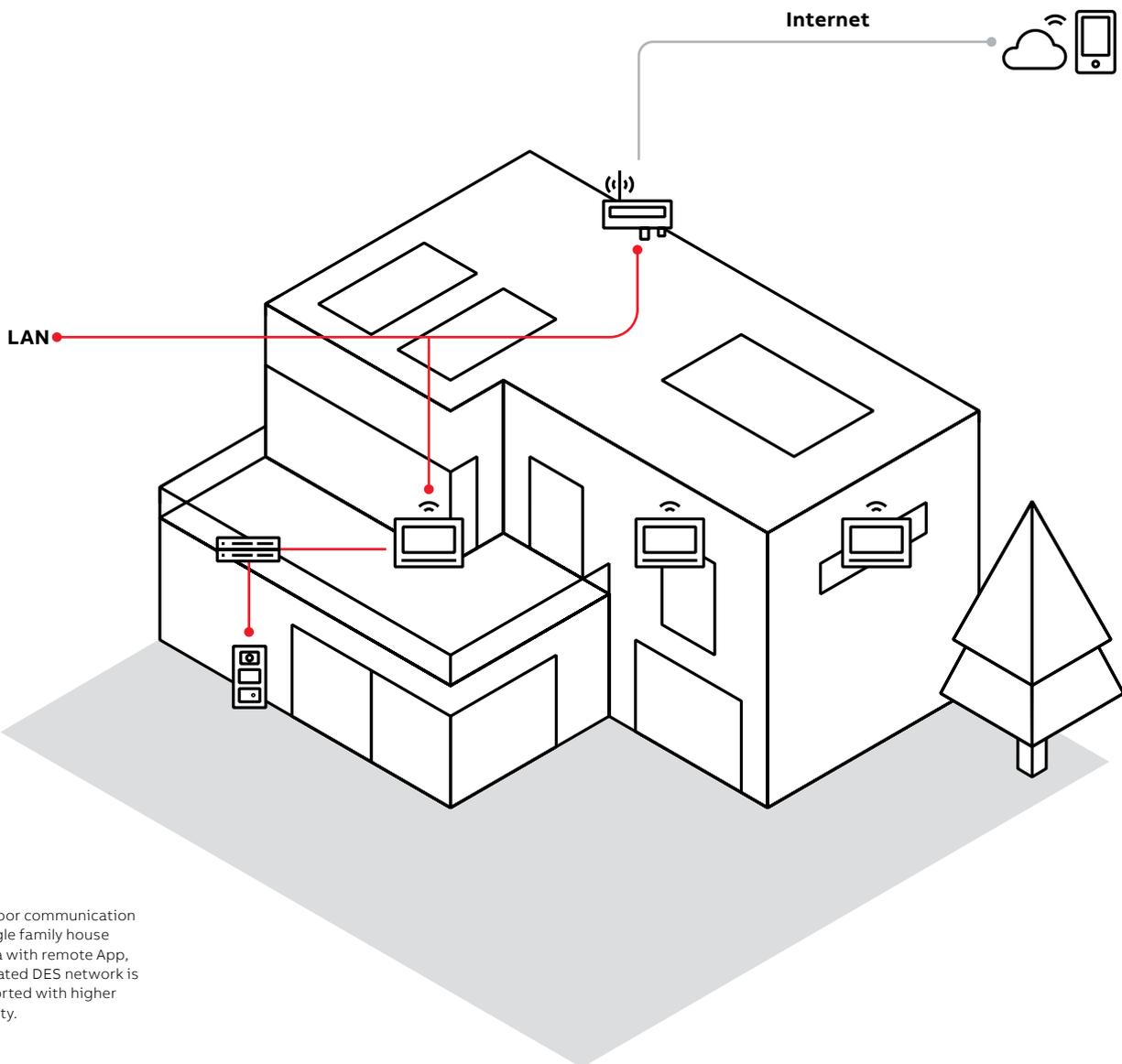
The door communication in single family house or villa with remote App, all the devices are linked to the same home network.

- Router
- Smart Access Point
- IP Touch
- Smart Management Software
- Cloud
- PoE Switch
- Smart Cylinder
- IP Camera
- Outdoor station
- Mobile

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# Applications

## Door communication

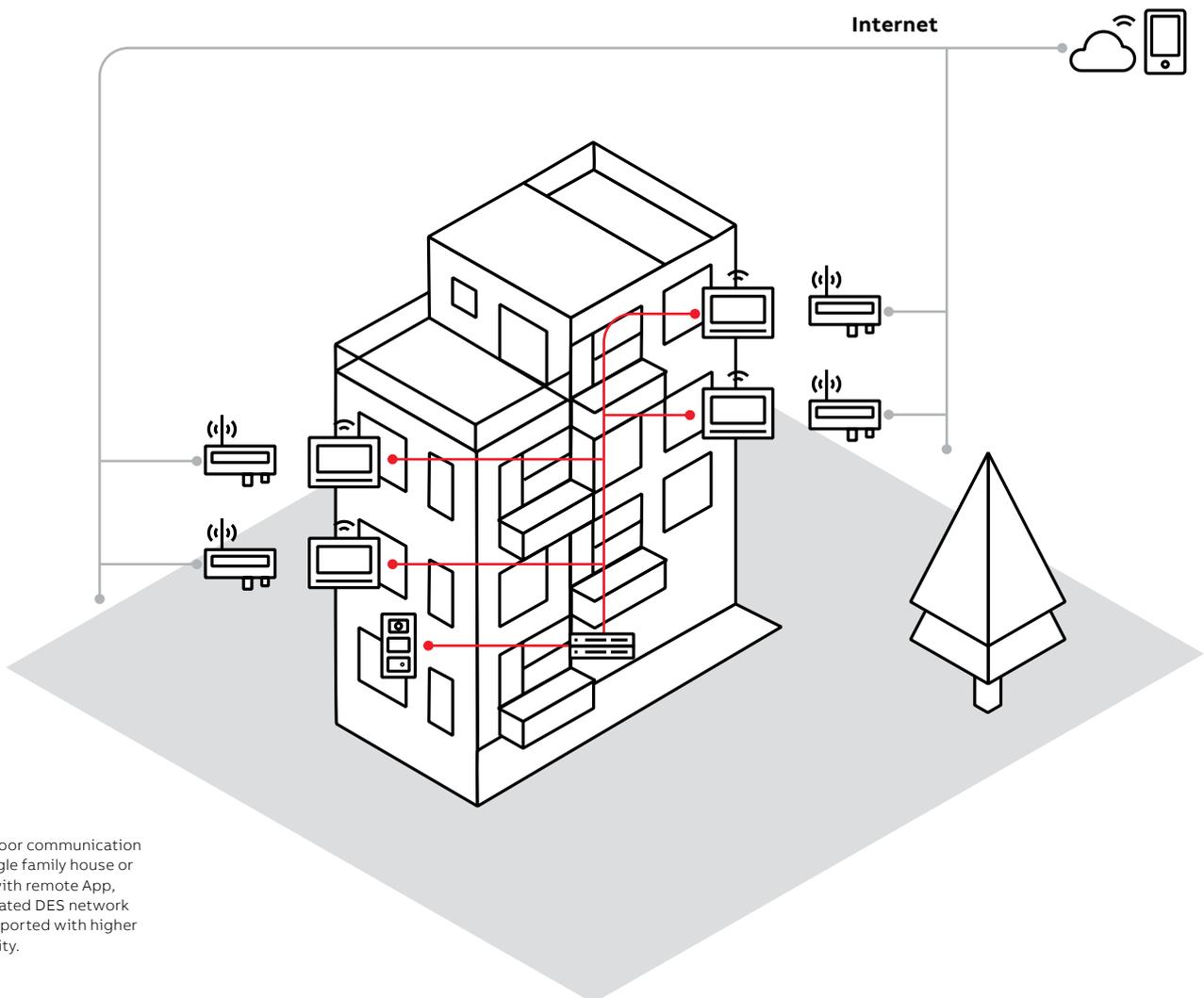


—  
The door communication in single family house or villa with remote App, dedicated DES network is supported with higher security.

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# Applications

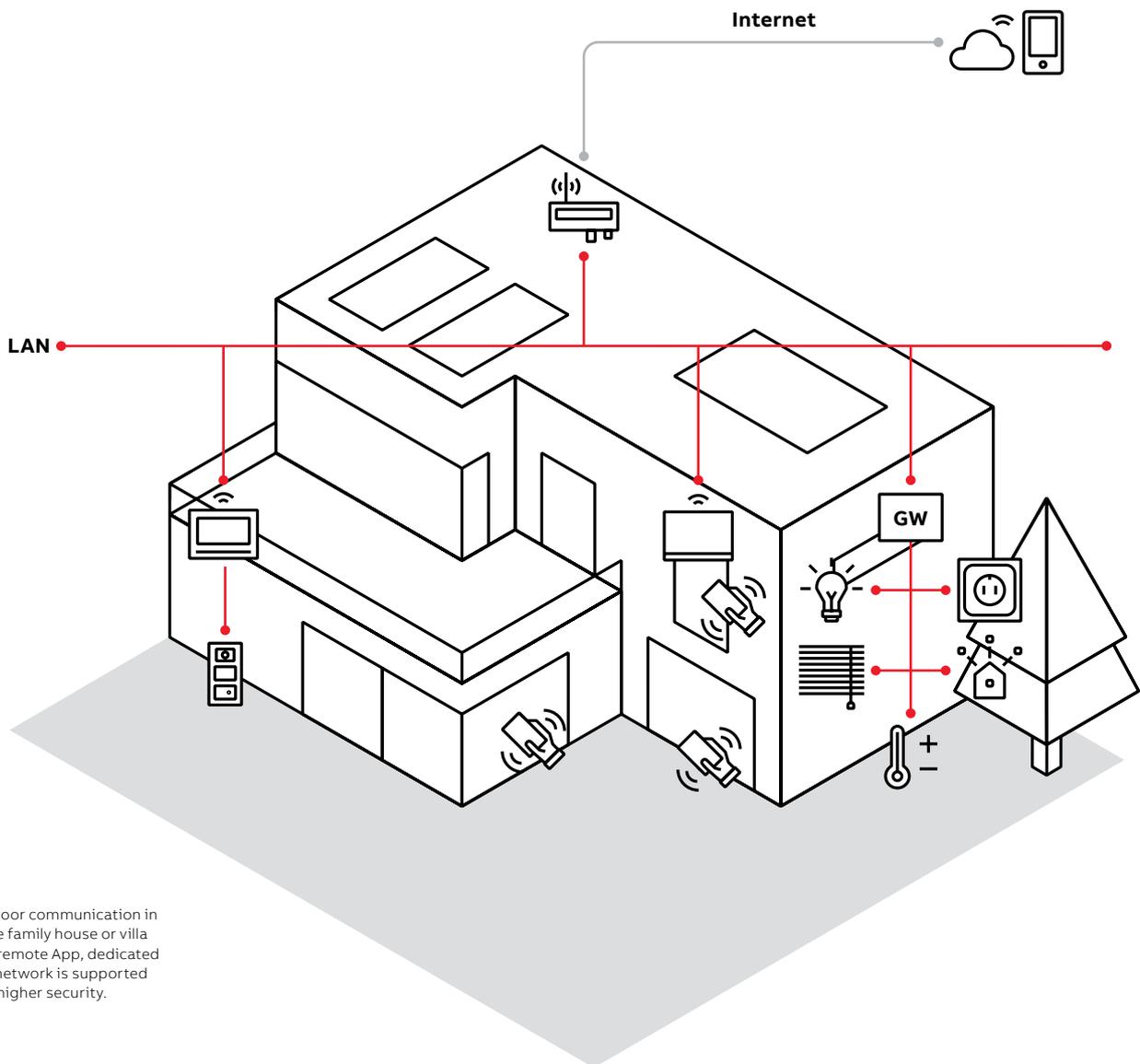
## Door communication



— The door communication in single family house or villa with remote App, dedicated DES network is supported with higher security.

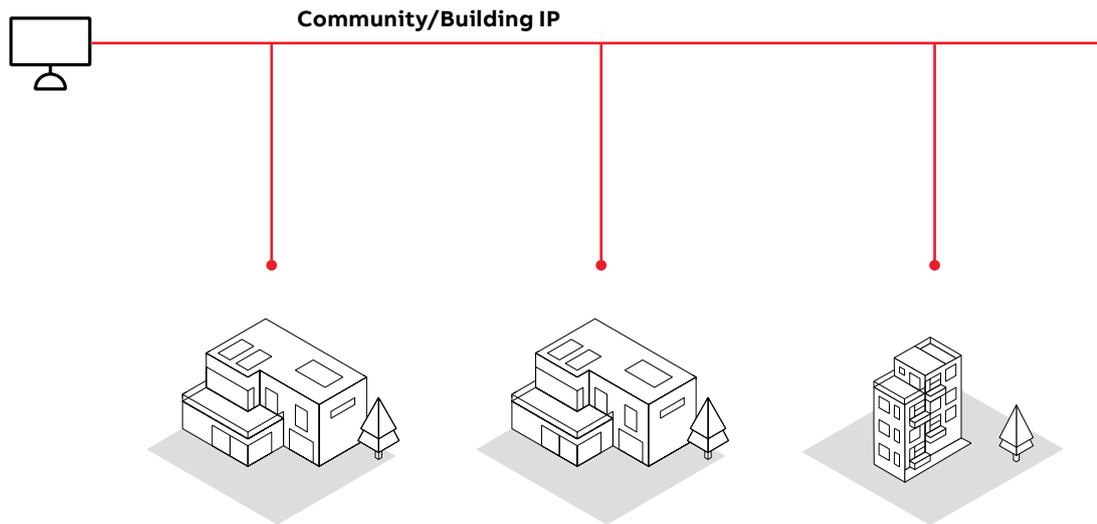
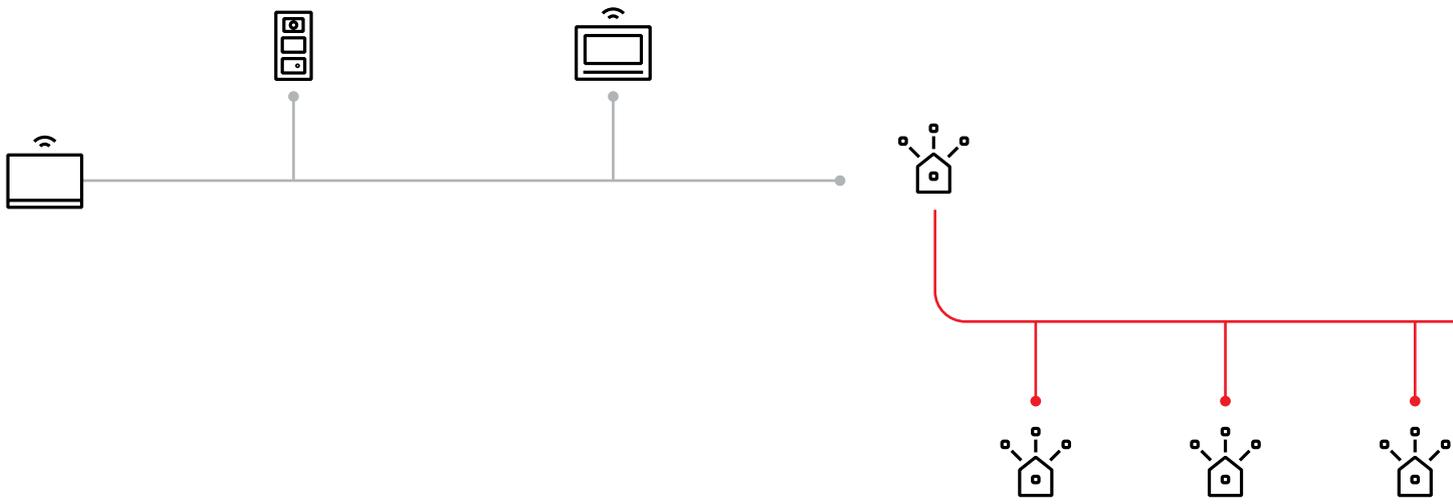
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# Applications

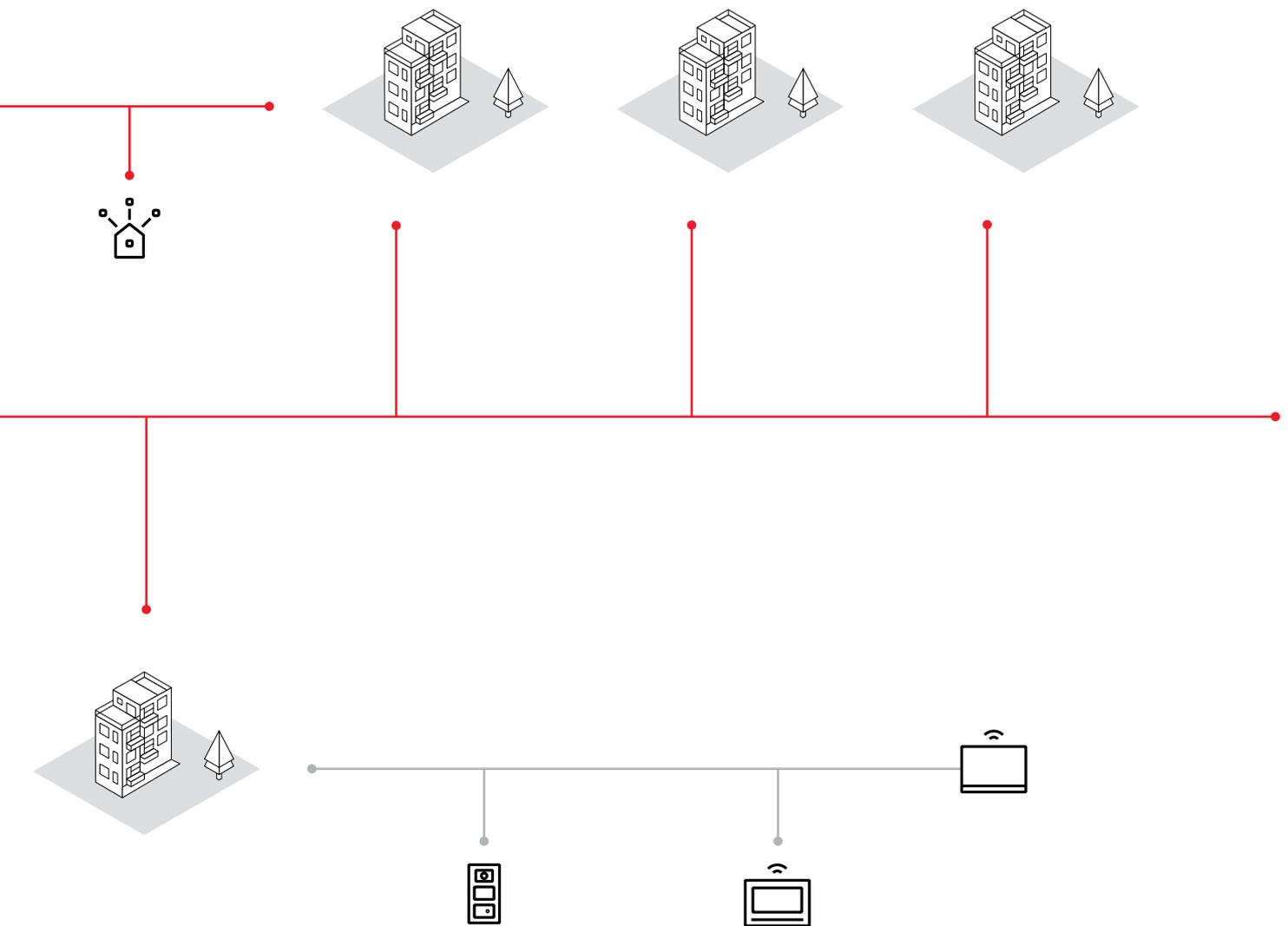


—  
The door communication in single family house or villa with remote App, dedicated DES network is supported with higher security.

# Applications



The whole system with management software to simultaneously monitor and both the community of a high building and villa or commercial building.



## Door entry system

### ABB-Welcome IP - Video outdoor stations



#### Video outdoor station, touch 5", white

<b>Description</b>	Video outdoor station with 5 inch touch screen, integrated with transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming (720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Intuitive operable touchscreen &amp; Virtual keypad integrated</li> <li>- Advertising or Developer promotion display area</li> <li>- Name list / logo / physical address / logical address calling type</li> <li>- Wiegand output available</li> <li>- Opening of the door by DESFire or NFC</li> </ul>
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54</li> <li>- Dimensions: 13.740" x 5.315"1.141"</li> </ul>
<b>Version</b>	Touch 5"
<b>Article no.</b>	H81381T-W
<b>Order no.</b>	2TMA130010W0013



#### Video outdoor station, touch 5", stainless steel

<b>Description</b>	Video outdoor station with 5 inch touch screen, integrated with transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming (720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Intuitive operable touchscreen &amp; Virtual keypad integrated</li> <li>- Advertising or Developer promotion display area</li> <li>- Name list / logo / physical address / logical address calling type</li> <li>- Wiegand output available</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Brushed stainless steel surface</li> </ul>
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54, vandal proof as IK07</li> <li>- Dimensions: 13.740" x 5.315"1.141"</li> </ul>
<b>Version</b>	Touch 5"
<b>Article no.</b>	H81381T-S
<b>Order no.</b>	2TMA130010X0009

## Door entry system

### ABB-Welcome IP - Video outdoor stations



#### Video pushbutton outdoor station, white

<b>Description</b>	Video outdoor station with transponder and pushbutton(s) serves as end device for the communication with IP touch panel, guard unit or property management.		
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming(720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Bar and around pushbutton for optional</li> <li>- Pushbutton could be programmed as you want (switch on lighting, call indoor station or guard unit)</li> <li>- Bright back-lit ensures clear nameplate at night time</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Brushed stainless steel surface</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54, vandal proof as IK07</li> <li>- Dimensions: 10.901" x 5.315" x 1.141</li> </ul>		
<b>Version</b>	1 pushbutton	2 pushbutton	3 pushbutton
<b>Article no.</b>	H81381P1-W	H81381P2-W	H81381P3-W
<b>Order no.</b>	2TMA130010W0021	2TMA130010W0025	2TMA130010W0029



#### Video pushbutton outdoor station, stainless steel

<b>Description</b>	Video outdoor station with transponder and pushbutton(s) serves as end device for the communication with IP touch panel, guard unit or property management.		
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming(720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Bar and around pushbutton for optional</li> <li>- Pushbutton could be programmed as you want (switch on lighting, call indoor station or guard unit)</li> <li>- Bright back-lit ensures clear nameplate at night time</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Brushed stainless steel surface</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54, vandal proof as IK07</li> <li>- Dimensions: 10.901" x 5.315" x 1.141</li> </ul>		
<b>Version</b>	1 pushbutton	2 pushbutton	3 pushbutton
<b>Article no.</b>	H81381P1-S	H81381P2-S	H81381P3-S
<b>Order no.</b>	2TMA130010X0001	2TMA130010X0002	2TMA130010X0003

## Door entry system

### ABB-Welcome IP - Video outdoor stations



#### Video keypad outdoor station, white

<b>Description</b>	Video outdoor station with display, transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.		
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming (720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Module design makes installation as easy as 1-2-3</li> <li>- Physical address / logical address calling type</li> <li>- Wiegand output available</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Brushed stainless steel surface</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54, vandal proof as IK07</li> <li>- Dimensions: 13.740" x 5.314" x 1.141"</li> </ul>		
<b>Version</b>	With ID	With IC	
<b>Article no.</b>	H81381K-W	H81382K-W	
<b>Order no.</b>	2TMA130010W0033	2TMA130010W0037	



#### Video keypad outdoor station, stainless steel

<b>Description</b>	Video outdoor station with display, transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.		
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming (720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Module design makes installation as easy as 1-2-3</li> <li>- Physical address / logical address calling type</li> <li>- Wiegand output available</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Brushed stainless steel surface</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP54, vandal proof as IK07</li> <li>- Dimensions: 13.740" x 5.314" x 1.141"</li> </ul>		
<b>Version</b>	With ID	With IC	
<b>Article no.</b>	H81383K-S	H81384K-S	
<b>Order no.</b>	2TMA130010X0037	2TMA130010X0038	



#### Mini outdoor station, Aluminum alloy

<b>Features</b>	<ul style="list-style-type: none"> <li>- Compact size, surface mounted and flush mounted optional</li> <li>- 1 button and 2 buttons optional</li> <li>- Clean design with integrated status display</li> <li>- Light switch or calling guard programmable for the 2<sup>nd</sup> button</li> <li>- Up to 2 locks connections</li> <li>- Dustproof and waterproof as IP54, and vandal proof as IK07</li> </ul>			
<b>Technical details</b>	Dimensions: 6.614" X 3.987 X 1.023"		Dimensions: 7.086" X 4.133" X 1.692"	
<b>Version</b>	1 button, ID, SM	2 buttons, ID, SM	1 button, ID, FM	2 buttons, ID, FM
<b>Article no.</b>	H81313P1-A	H81313P2-A	H81363P1-A	H81363P2-A
<b>Order no.</b>	2TMA130010A0001	2TMA130010A0004	2TMA130010A0007	2TMA130010A0010

## Door entry system

### ABB-Welcome IP - Video indoor stations



#### IP touch 7, white

<b>Description</b>	The stylish multifunctional IP touch panel fits elegantly into any interior. Thanks to its intuitive design, the IP touch panel will display everything that is happening in front of your door. In addition, the panel can be a centralized screen for other ABB sub-system, like CCTV, access control and home automation.	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Intuitive GUI on sliding screen (1024 x 600)</li> <li>- Clean &amp; consistent design with invisible mic &amp; speaker hole</li> <li>- Slim thickness with 0.307" when flush mounted</li> <li>- Color,material, End trip &amp; mounting type selectable</li> <li>- Extension to App without additional system device</li> <li>- Central control panel to DES,Smart lock,Surveillance,Basic alarm, Environmental health,Energy management</li> <li>- Cyber security and data privacy, - Easy installation in all kind of walls</li> <li>- Easy commissioning by QR code scanning or central PC management software</li> <li>- PoE and local power supply optional, - Remote fireware update</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP30</li> <li>- Dimensions: 7.834" X 5.905" X 0.669" (LAN+WiFi) 7.834" X 5.905" X 1.181" (LAN+LAN)</li> </ul>	
<b>Version</b>	support DES+LAN + WiFi, DC&PoE, full glass, SM&FM, white	with cyber security boot & storage, support DES+APP, LAN + WiFi, DC&PoE, with T-loop, end strip, SM&FM, white
<b>Article no.</b>	H8236-4W	H8236-5W
<b>Order no.</b>	2TMA130050W0065	2TMA130050W0067



#### IP touch 7, black

<b>Description</b>	The stylish multifunctional IP touch panel fits elegantly into any interior. Thanks to its intuitive design, the IP touch panel will display everything that is happening in front of your door. In addition, the panel can be a centralized screen for other ABB sub-system, like CCTV, access control and home automation.	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Intuitive GUI on sliding screen(1024 x 600)</li> <li>- Clean &amp; consistent design with invisible mic &amp; speaker hole</li> <li>- Slim thickness with 0.307" when flush mounted</li> <li>- Color,material, End trip &amp; mounting type selectable</li> <li>- Extension to App without additional system device</li> <li>- Central control panel to DES,Smart lock,Surveillance,Basic alarm, Environmental health,Energy management</li> <li>- Cyber security and data privacy, - Easy installation in all kind of walls</li> <li>- Easy commissioning by QR code scanning or central PC management software</li> <li>- PoE and local power supply optional, - Remote fireware update</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP30</li> <li>- Dimensions: 7.834" X 5.905" X 0.669" (LAN+WiFi) 7.834" X 5.905" X 1.181" (LAN+LAN)</li> </ul>	
<b>Version</b>	support DES+LAN + WiFi, DC&PoE, full glass, SM&FM, black	with cyber security boot & storage, support DES+APP, LAN + WiFi, DC&PoE, with T-loop, end strip, SM&FM, black
<b>Article no.</b>	H8236-4B	H8236-5B
<b>Order no.</b>	2TMA130050B0065	2TMA130050B0067

## Door entry system

### ABB-Welcome IP - Video indoor stations



#### IP touch 10, White

<b>Description</b>	The stylish multifunctional IP touch panel fits elegantly into any interior. Thanks to its intuitive design, the IP touch panel will display everything that is happening in front of your door. In addition, the panel can be a centralized screen for other ABB sub-system, like video surveillance, access control and home automation	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Intuitive GUI on sliding screen (1024 x 600)</li> <li>- Clean &amp; consistent design with invisible mic &amp; speaker hole</li> <li>- Slim thickness with 0.307" when flush mounted</li> <li>- Color,material, End trip &amp; mounting type selectable</li> <li>- Extension to App without additional system device</li> <li>- Central control panel to DES, Surveillance</li> <li>- Cyber security and data privacy</li> <li>- Easy installation in all kind of walls</li> <li>- PoE and local power supply</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP30</li> <li>- Dimensions: 9.881" X 7.283" X 0.669" (LAN+WiFi) 9.881" X 7.283" X 1.220" (LAN+LAN)</li> </ul>	
<b>Version</b>	LAN + LAN interface, with induction loop, with PoE	LAN + WiFi interface, with induction loop, with PoE
<b>Article no.</b>	H8237-5W	H8237-4W
<b>Order no.</b>	2TMA130050W0055	2TMA130050W0054

#### IP touch 10, Black

<b>Description</b>	The stylish multifunctional IP touch panel fits elegantly into any interior. Thanks to its intuitive design, the IP touch panel will display everything that is happening in front of your door. In addition, the panel can be a centralized screen for other ABB sub-system, like video surveillance, access control and home automation	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Intuitive GUI on sliding screen (1024 x 600)</li> <li>- Clean &amp; consistent design with invisible mic &amp; speaker hole</li> <li>- Slim thickness with 0.307" when flush mounted</li> <li>- Color,material, End trip &amp; mounting type selectable</li> <li>- Extension to App without additional system device</li> <li>- Central control panel to DES, Surveillance</li> <li>- Cyber security and data privacy</li> <li>- Easy installation in all kind of walls</li> <li>- PoE and local power supply</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Flush mounting and surface mounting</li> <li>- Dustproof and waterproof as IP30</li> <li>- Dimensions: 9.881" X 7.283" X 0.669" (LAN+WiFi) 9.881" X 7.283" X 1.220" (LAN+LAN)</li> </ul>	
<b>Version</b>	Stainless steel LAN + LAN interface, with induction loop, with PoE	Stainless steel LAN + WiFi interface, with induction loop, with PoE
<b>Article no.</b>	H8237-5B	H8237-4B
<b>Order no.</b>	2TMA130050B0055	2TMA130050B0054



## Door entry system

### ABB-Welcome IP - System devices



#### Guard unit

<b>Description</b>	The guard unit with desk-top design provides access to various services using the intuitive icon menu on the touch screen. Communication is possible with IP touch panel, outdoor station and other guard unit.
<b>Features</b>	<ul style="list-style-type: none"> <li>- Support to establish surveillance to outdoor station or IP camera.</li> <li>- Intercept to increase the security and service.</li> <li>- Support to release all doors or dedicated doors in case of emergency</li> <li>- Receive the alarm and panic call (SOS) from IP touch panel.</li> </ul>
<b>Technical details</b>	- Dimensions: 10.433" x 6.496" x 4.606"
<b>Article no.</b>	H8303
<b>Order no.</b>	2TMA130160W0018



#### IP actuator (LAN port)

<b>Description</b>	Connecting electrical door opener or hall light directly
<b>Features</b>	- Easy to adjust the switching duration of unlock or the switching of light
<b>Technical details</b>	- Dimensions: 3.543" X 2.834" X 2.559"
<b>Version</b>	Gery
<b>Article no.</b>	H8304
<b>Order no.</b>	2TMA130160H0051



#### 24VDC mini Power adaptor

<b>Description</b>	Power adaptor supplies the power for IP touch panel and Wip AP
<b>Features</b>	- Provide stable power supply input
<b>Article no.</b>	53012PS
<b>Order no.</b>	2TMA130160W0024

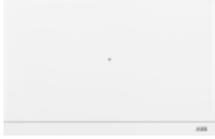


#### Power supply, 27 V DC, 95 W

<b>Description</b>	Power adaptor suppliers the power for system devices.
<b>Features</b>	- Support over voltage, over current, over-heat and short-circuit protection
<b>Technical details</b>	- Dimensions: 7.007" X 3.543" X 2.559"
<b>Article no.</b>	YSM01-PS
<b>Order no.</b>	2TMA130160H0085

## Door entry system

### ABB-Welcome IP - System devices



#### Smart Access Point

<b>Description</b>	A central management device of Welcome IP and AccessControl system, it can couple as sub-system, and also manage interworking of multiple sub-system of same type. Commissioning and remote control is executed via web interface. No additional commissioning software is required. Connection to the network via WLAN client mode or via CAT cable to manage all your access, configure all your devices, record your logs, etc.
<b>Features</b>	<ul style="list-style-type: none"> <li>- Easy to commissioning</li> <li>- Access rights, who, where, when...</li> <li>- Enhanced security with record event log and receive notification and alert</li> <li>- Manage all connected devices</li> <li>- Interaction between different systems</li> <li>- Manage welcome App</li> <li>- Event management and building-wide messaging</li> <li>- Integrated chimey, easy for retrofit</li> <li>- In-build BLE, the best choice for standalone AC system</li> </ul>
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Dimension: 8.031" x 5.196" x 1.259"</li> <li>- Network parameter:               <ul style="list-style-type: none"> <li>• Operating mode: LAN/Wireless access point</li> <li>• Wireless transmission band: IEEE 802.11 a/b/g/n 2.4 GHz/5.8 GHz</li> <li>• Safety standard: WPA-PSK, WPA2-PSK, WPA, WPA2, IEEE 802.1x</li> <li>• Network connection standard: 10 / 100 Mbps, auto MDI/MDI-X</li> </ul> </li> <li>- Radio interface: IEEE 802.15.4 2.4GHz radio</li> <li>- Power supply:               <ul style="list-style-type: none"> <li>• 24VDC, together with ABB power adaptor</li> <li>• PoE(Power over Ethernet)</li> </ul> </li> <li>- Environment:               <ul style="list-style-type: none"> <li>• Temperature: -10°C to +45°C</li> <li>• Protection type: IP30</li> <li>• Vandal proof: IK07</li> <li>• Humidity: 0 to 95%, non-condensing</li> </ul> </li> </ul>
<b>Version</b>	Pro
<b>Article no.</b>	D04011
<b>Order no.</b>	2TMA400260W0002

## Door entry system

### ABB-Welcome IP - Installation material



#### Flush-mounted box, 1 module, size 1/1

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 5.472" x 5.905" x 1.417"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41381F-B	41381F-H
<b>Order no.</b>	2TMA130160B0001	2TMA130160H0001



#### Flush-mounted box, 2 modules, size 1/2

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 5.472" x 5.905" x 1.417"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41382F-B	41382F-H
<b>Order no.</b>	2TMA130160B0002	2TMA130160H0002



#### Flush-mounted box, 3 modules, size 1/3

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 10.826" x 5.236" x 2.047"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41383F-B	41383F-H
<b>Order no.</b>	2TMA130160B0003	2TMA130160H0003



#### Flush-mounted box, 4 modules, size 1/4

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 13.661" x 5.236" x 2.047"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41384F-B	41384F-H
<b>Order no.</b>	2TMA130160B0004	2TMA130160H0004

## Door entry system

### ABB-Welcome IP - Installation material



#### Flush-mounted box, 5 modules, size 1/5

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	<ul style="list-style-type: none"> <li>- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back.</li> <li>- The product is packed with accessories to ensure qualified installation.</li> </ul>	
<b>Technical details</b>	- Dimensions: 16.496" x 5.236" x 2.047"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41385F-B	41385F-H
<b>Order no.</b>	2TMA130160B0005	2TMA130160H0005



#### Flush-mounted box, 6 modules, size 2/3

<b>Description</b>	Mounting of outdoor station into the wall	
<b>Features</b>	<ul style="list-style-type: none"> <li>- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back.</li> <li>- The product is packed with accessories to ensure qualified installation.</li> </ul>	
<b>Technical details</b>	- Dimensions: 10.826 x 9.173" x 2.047"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41386F-B	41386F-H
<b>Order no.</b>	2TMA130160B0006	2TMA130160H0006



#### Surface-mounted box, 1 module, size 1/1

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	<ul style="list-style-type: none"> <li>- For surface-mounted installation of outdoor station.</li> <li>- The product is packed with accessories to ensure qualified installation.</li> </ul>	
<b>Technical details</b>	- Dimensions: 5.393" x 5.236" x 1.259"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41381S-B	41381S-H
<b>Order no.</b>	2TMA130160B0009	2TMA130160H0009

## Door entry system

### ABB-Welcome IP - Installation material



#### Surface-mounted box, 2 modules, size 1/2

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 7.992" x 5.236" x 1.259"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41382S-B	41382S-H
<b>Order no.</b>	2TMA130160B0010	2TMA130160H0010



#### Surface-mounted box, 3 modules, size 1/3

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 10.826" x 5.236" x 1.259"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41383S-B	41383S-H
<b>Order no.</b>	2TMA130160B0011	2TMA130160H0011



#### Surface-mounted box, 4 modules, size 1/4

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 13.661" x 5.236" x 2.047"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41384S-B	41384S-H
<b>Order no.</b>	2TMA130160B0012	2TMA130160H0012



#### Surface-mounted box, 5 modules, size 1/5

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 16.496" x 5.236" x 1.259"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41385S-B	41385S-H
<b>Order no.</b>	2TMA130160B0013	2TMA130160H0013



#### Surface-mounted box, 6 modules, size 2/3

<b>Description</b>	Mounting of outdoor station on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 10.826" x 9.173" x 1.259"	
<b>Version</b>	Anthracite	Grey
<b>Article no.</b>	41386S-B	41386S-H
<b>Order no.</b>	2TMA130160B0014	2TMA130160H0014

## Door entry system

### ABB-Welcome IP - Installation material



#### Flush-mounted box & pre-installation box for IP touch 7&10

<b>Description</b>	Flush-mounted box and Pre installation box for 7&10 inch video indoor station
<b>Features</b>	- The flush mounting box is fitted with knock down holes for cabling from left, right, bottom or back. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 7.637" x 5.708" x 2.165"
<b>Version</b>	2 boxes together
<b>Article no.</b>	42361F
<b>Order no.</b>	2TMA130160B0132



#### Pre-installation box, 1 module, size 1/1

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 5.236" x 4.881" x 2.559"
<b>Version</b>	Anthracite
<b>Article no.</b>	41381PB
<b>Order no.</b>	2TMA130160B0017



#### Pre-installation box, 2 modules, size 1/2

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 7.834" x 4.881" x 2.559"
<b>Version</b>	Anthracite
<b>Article no.</b>	41382PB
<b>Order no.</b>	2TMA130160B0018



#### Pre-installation box, 3 modules, size 1/3

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 10.629" x 4.881" x 2.559"
<b>Version</b>	Anthracite
<b>Article no.</b>	41383PB
<b>Order no.</b>	2TMA130160B0019



#### Pre-installation box, 4 modules, size 1/4

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 7.637" x 5.708" x 2.165"
<b>Version</b>	2 boxes together
<b>Article no.</b>	41384PB
<b>Order no.</b>	2TMA130160B0020

## Door entry system

### ABB-Welcome IP - Installation material



#### Pre-installation box, 5 modules, size 1/5

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 16.338" x 4.881" x 2.559"
<b>Version</b>	Anthracite
<b>Article no.</b>	41385PB
<b>Order no.</b>	2TMA130160B0021



#### Pre-installation box, 6 modules, size 2/3

<b>Description</b>	Serves for the mounting of outdoor station into the wall for higher stability.
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.
<b>Technical details</b>	- Dimensions: 13.070" x 10.669" x 8.818"
<b>Version</b>	Anthracite
<b>Article no.</b>	41386PB
<b>Order no.</b>	2TMA130160B0022



#### Surface mounted box for IP touch 7" panel

<b>Description</b>	Mounting of IP touch 7" panel on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 7.7555" x 5.826" x 0.511"	
<b>Version</b>	White	Black
<b>Article no.</b>	42361S-W	42361S-B
<b>Order no.</b>	2TMA130160W0017	2TMA130160B0080



#### Surface mounted box for IP touch 10"

<b>Description</b>	Mounting of IP Touch on the wall	
<b>Features</b>	- For surface-mounted installation of outdoor station. - The product is packed with accessories to ensure qualified installation.	
<b>Technical details</b>	- Dimensions: 9.881" x 7.244" x 0.551"	
<b>Version</b>	White	Black
<b>Article no.</b>	42371S-W	42371S-B
<b>Order no.</b>	2TMA130161W0001	2TMA130161B0001



#### Rain hood, size 1/x, For SM

<b>Description</b>	Rain hood for rust and water detection
<b>Features</b>	-The aluminum rain hood is designed to adapt both surface mounting
<b>Technical details</b>	- Dimensions: 6.929" x 3.858" x 5.629"
<b>Version</b>	For surface mounted
<b>Article no.</b>	41383RH
<b>Order no.</b>	2TMA130160A0009



#### Rain hood, size 2/x, Aluminium

<b>Description</b>	Rain hood for rust and water detection
<b>Features</b>	- The aluminum rain hood is designed to adapt both surface mounting
<b>Technical details</b>	- Dimensions: 10.354" x 3.858" x 5.629"
<b>Version</b>	For surface mounted
<b>Article no.</b>	41384RH
<b>Order no.</b>	2TMA130160A0010

## Door entry system

### ABB-Welcome IP - Installation material



#### Rain hood, size 1/x, Aluminium

<b>Description</b>	Rain hood for rust and water detection
<b>Features</b>	-The aluminum rain hood is designed to adapt both surface mounting and flush mounting.
<b>Technical details</b>	- Dimensions: 3.858" x 5.629" x 2.677"
<b>Version</b>	For flush mounted installation
<b>Article no.</b>	41381RH
<b>Order no.</b>	2TMA130160A0001



#### Rain hood, size 2/x, Aluminium

<b>Description</b>	Rain hood for rust and water detection
<b>Features</b>	-The aluminum rain hood is designed to adapt both surface mounting and flush mounting.
<b>Technical details</b>	- Dimensions: 3.858" x 9.566" x 2.677"
<b>Version</b>	For flush mounted installation
<b>Article no.</b>	41382RH
<b>Order no.</b>	2TMA130160A0002



#### Rain hood, size 3/x, Aluminium

<b>Description</b>	Rain hood for rust and water detection
<b>Features</b>	-The aluminum rain hood is designed to adapt both surface mounting and flush mounting.
<b>Technical details</b>	- Dimensions: 7.952" x 3.858" x 16.378"
<b>Version</b>	For surface mounted
<b>Article no.</b>	41385RH
<b>Order no.</b>	2TMA130160A0017



#### Video outdoor station frame, size 1/3

<b>Description</b>	Installation materials that used for outdoor station		
<b>Features</b>	- The invisible screw design is aesthetically pleasing		
<b>Technical details</b>	- Dimensions: 10.748" x 5.314" x 0.708"		
<b>Version</b>	White	Stainless steel	Aluminum
<b>Article no.</b>	41383CF-W	41383CF-S	41383CF-A
<b>Order no.</b>	2TMA130160W0002	2TMA130160X0004	2TMA200160A0003



#### Video outdoor station frame, size 1/4

<b>Description</b>	Installation materials that used for outdoor station		
<b>Features</b>	- The invisible screw design is aesthetically pleasing		
<b>Technical details</b>	- Dimensions: 13.740" x 5.314" x 0.708"		
<b>Version</b>	White	Stainless steel	Aluminum
<b>Article no.</b>	41384CF-W	41384CF-S	41384CF-A
<b>Order no.</b>	2TMA130160W0003	2TMA130160X0005	2TMA200160A0005



#### Video outdoor station frame, size 1/5

<b>Description</b>	Installation materials that used for outdoor station		
<b>Features</b>	- The invisible screw design is aesthetically pleasing		
<b>Technical details</b>	- Dimensions: 13.740" x 5.314" x 0.708"		
<b>Version</b>	White	Stainless steel	Aluminum
<b>Article no.</b>	41385CF-W	41385CF-S	41385CF-A
<b>Order no.</b>	2TMA130160W0004	2TMA130160X0006	2TMA200160A0007

## Door entry system

### ABB-Welcome IP - Installation material



#### Video outdoor station frame, size 2/3

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing	
<b>Technical details</b>	- Dimensions: 10.905" x 9.251" x 0.708"	
<b>Version</b>	Stainless steel	Aluminum
<b>Article no.</b>	41386CF-S	41386CF-A
<b>Order no.</b>	2TMA130160X0007	2TMA200160A0009



#### Audio outdoor station frame, size 1/2

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing	
<b>Technical details</b>	- Dimensions: 8.070" x 5.314" x 0.787"	
<b>Version</b>	Aluminum	
<b>Article no.</b>	41392CF-A	
<b>Order no.</b>	2TMA200160A0011	



#### Audio outdoor station frame (extended panel), size 1/3

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing - It is possible to combine with other size 1/3 frame to extend multi-column frame installation to support more modules	
<b>Technical details</b>	- Dimensions: 10.905" x 5.314" x 0.708"	
<b>Version</b>	Stainless steel	Aluminum
<b>Article no.</b>	41393CF-S	41393CF-A
<b>Order no.</b>	2TMA130160X0060	2TMA200160A0013



#### Audio outdoor station frame (extended panel), size 1/4

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing - It is possible to combine with other size 1/4 frame to extend multi-column frame installation to support more modules	
<b>Technical details</b>	- Dimensions: 13.740" x 5.314" x 0.708"	
<b>Version</b>	Stainless steel	Aluminum
<b>Article no.</b>	41394CF-S	41394CF-A
<b>Order no.</b>	2TMA130160X0064	2TMA200160A0015



#### Audio outdoor station frame, size 1/5

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing - It is possible to combine with other size 1/5 frame to extend multi-column frame installation to support more modules	
<b>Technical details</b>	- Dimensions: 16.574" x 5.314" x 0.787"	
<b>Version</b>	Aluminum	
<b>Article no.</b>	41395CF-A	
<b>Order no.</b>	2TMA200160A0017	



#### Audio outdoor station frame, size 2/3

<b>Description</b>	Installation materials that used for outdoor station	
<b>Features</b>	- The invisible screw design is aesthetically pleasing	
<b>Technical details</b>	- Dimensions: 10.905" x 9.251" x 0.787"	
<b>Version</b>	Aluminum	
<b>Article no.</b>	41396CF-A	
<b>Order no.</b>	2TMA200160A0019	

## Door entry system

### ABB-Welcome IP - Outdoor station modules



#### A/V module with 720P camera, LAN cable

<b>Description</b>	Audio & video module as the heart of outdoor station.
<b>Features</b>	<ul style="list-style-type: none"> <li>- HD video streaming (720P) with 130 degree angle</li> <li>- Super anti-fog coating and in-built heater</li> <li>- LED indicator for real-time status</li> <li>- Suitable for the disabled</li> </ul>
<b>Technical details</b>	- Dimensions: 5.629" x 3.779" x 1.102"
<b>Article no.</b>	H851381M-S
<b>Order no.</b>	2TMA130160B0081



#### Big display module

<b>Description</b>	Integrated with transponder and keypad serves as big touch screen for daily operation for residential owners and visitors.
<b>Features</b>	<ul style="list-style-type: none"> <li>- Intuitive operable touchscreen &amp; Virtual keypad integrated</li> <li>- Advertising or Developer promotion display area</li> <li>- Name list / logo / physical address / logical address calling type</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Wiegand output available</li> </ul>
<b>Technical details</b>	Dimensions: 5.629" x 3.779" x 0.905"
<b>Version</b>	(5 inch) (IC/Desfire)
<b>Article no.</b>	H851381DP
<b>Order no.</b>	2TMA130160B0082



#### Round pushbutton

<b>Description</b>	1/2/3 pushbutton for visitor to press for calling		
<b>Features</b>	<ul style="list-style-type: none"> <li>- Pushbutton could be programmed as you want (switch on lighting, call indoor station or guard unit)</li> <li>- Bright back-lit ensures clear nameplate at night time</li> <li>- Opening of the door by DESFire or NFC or IC card</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Dimensions: 3.818" x 2.834" x 0.984"</li> <li>- Rating current: 24 V DC, 10 mA</li> <li>- Operating temperature: -40 °C...+55 °C</li> </ul> <p>For NFC version</p> <ul style="list-style-type: none"> <li>- Rating current: 24 V DC, 40 mA</li> </ul>		
<b>Version</b>	1	2	3
<b>Article no.</b>	51381RP1	51381RP2	51381RP3
<b>Order no.</b>	2TMA130160N0003	2TMA130160N0004	2TMA130160N0005
<b>Version</b>	with NFC/IC -1	with NFC/IC -2	with NFC/IC -3
<b>Article no.</b>	51382RP1	51382RP2	51382RP3
<b>Order no.</b>	2TMA130160N0006	2TMA130160N0007	2TMA130160N0008



#### Bar pushbutton

<b>Description</b>	3/6 or 4/8 pushbutton for visitor to press for calling	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Pushbutton could be programmed as one column or double columns</li> <li>- Bright back-lit ensures clear nameplate at night time</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Dimensions: 3.818" x 2.834" x 0.984"</li> <li>- Rating current: 24 V DC, 8 mA</li> <li>- Operating temperature: -40 °C...+55 °C</li> </ul>	
<b>Version</b>	3 (Bar button)	4 (Bar button)
<b>Article no.</b>	51381SP3	51381SP4
<b>Order no.</b>	2TMA130160N0001	2TMA130160N0002

## Door entry system

### ABB-Welcome IP - Outdoor station modules



#### Keypad with 1abc input

<b>Description</b>	Digital inputing module for keypad outdoor station		
<b>Features</b>	<ul style="list-style-type: none"> <li>- Enables the opening of the door using a numerical code</li> <li>- 3,000 passwords can be taught in</li> <li>- Customized passwords are allowed</li> <li>- Backlight automatically on for visibility at night</li> <li>- Call guard unit is available</li> </ul>		
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Dimensions: 3.818" x 2.834" x 0.984"</li> <li>- Rating current: 24 V DC, 20 mA</li> <li>- Operating temperature: -40 °C...+55 °C</li> </ul>		
<b>Version</b>	Stainless steel	White	Aluminum
<b>Article no.</b>	51381K-S	51381K-W	51381K-A
<b>Order no.</b>	2TMA130160X0001	2TMA130010W0014	2TMA210160A0009

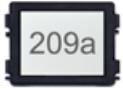


#### Display

<b>Description</b>	Display module ensure the customized message, code, and legible number always can be readed.	
<b>Features</b>	<ul style="list-style-type: none"> <li>- Physical address / logical address calling type</li> <li>- Opening of the door by DESFire or NFC or IC card.</li> <li>- Wiegand output available</li> <li>- Up to 5000 pcs cards can be registered</li> </ul>	
<b>Technical details</b>	<ul style="list-style-type: none"> <li>- Dimensions: 3.818" x 2.834" x 0.984"</li> <li>- Rating current: 24 V DC, 160 mA</li> <li>- Operating temperature: -40 °C...+55 °C</li> </ul>	
<b>Version</b>	IC/DES fire card	ID Card
<b>Article no.</b>	51382CR	51381CR
<b>Order no.</b>	2TMA130160N0009	2TMA130160N0010

## Door entry system

### ABB-Welcome IP - Outdoor station modules



#### Info module

<b>Description</b>	Info module is used to hold the address of the building or the resident directory and assembled in outdoor station
<b>Features</b>	- Stamped labelling foil is enclosed. - Backlight ensures clear visibility at night
<b>Technical details</b>	- Dimensions: 3.818" x 2.834" x 0.984" - Rating current: 24 V DC, 8 mA - Operating temperature: -40 °C...+55 °C
<b>Version</b>	
<b>Article no.</b>	51381DN
<b>Order no.</b>	2TMA200160N0039



#### Dummy module

<b>Description</b>	Dummy module is one blank module, support to put 3rd-party module inside, also support to future function module replacement
<b>Features</b>	- Maximum space inside: 2.145" x 0.370079" x 2.91339"
<b>Technical details</b>	- Dimensions: 3.818" x 2.834" x 0.984"
<b>Version</b>	
<b>Article no.</b>	51381DM
<b>Order no.</b>	2TMA200160N0040

## Door entry system

### ABB-Welcome IP - Accessories



#### Cushion set for surface-mounted installation

<b>Description</b>	Spare part for surface mounting when the installation cable lay on the wall		
<b>Features</b>	- Easy to installation		
<b>Technical details</b>	Dimensions: 0.590" x 0.393" x 0.196"		
<b>Version</b>			
<b>Article no.</b>	52311C		
<b>Order no.</b>	2TMA210160W0001		



#### Joining fixture

<b>Description</b>	Joining fixture used when more than one flush mounted box needs to be connected together.		
<b>Features</b>	- Easy to integrate mounting boxes together		
<b>Technical details</b>	Dimensions: 3.267" x 4.724" x 3.149"		
<b>Version</b>			
<b>Article no.</b>	51381J		
<b>Order no.</b>	2TMA130160B0124		



#### Mounting tool

<b>Description</b>	The mounting tool use to dismount the outdoor station.		
<b>Features</b>	- Easy to installation and removal end strip		
<b>Technical details</b>	Dimensions: 0.551" x 6.496" x 1.023"		
<b>Version</b>	135mm panel		
<b>Article no.</b>	51381MT		
<b>Order no.</b>	2TMA130160B0025		



#### Outdoor station End-strip

<b>Description</b>	End strip for outdoor station cover frame.		
<b>Features</b>	- Easy to install and replace		
<b>Technical details</b>	Dimensions: 2.795" x 5.314" x 0.748"	Dimensions: 2.795" x 5.314" x 0.748"	Dimensions: 2.795" x 5.314" x 0.748"
<b>Version</b>	size 1/x, Stainless steel	size 1/x, White	size 1/x, Aluminum
<b>Article no.</b>	51381EP-S	51381EP-W	51381EP-A
<b>Order no.</b>	2TMA130160X0002	2TMA130160W0001	2TMA200160A0021
<b>Technical details</b>	Dimensions: 4.842" x 9.251" x 0.748"	Dimensions: 4.842" x 9.251" x 0.748"	Dimensions: 2.795" x 5.314" x 0.748"
<b>Version</b>	size 2/x, Stainless steel	size 2/x, Aluminum	
<b>Article no.</b>	51382EP-S	51382EP-A	
<b>Order no.</b>	2TMA130160X0003	2TMA200160A0023	

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