Access all possibilities

Connecting to a smarter life of door entry communication, access control and video surveillance.

⊕

- **ABB-VideoControl**
- **ABB-AccessControl**
- **ABB Welcome® IP**

**Access all possibilities.
Connecting to a smarter life.**

**Integrating a variety of systems
to expand the possibilities for
networking industrial, commercial
and residential buildings. IP
technology is the right solution
for every demand and every need.
Simply smarter, in all areas.
Connecting home, work and life.**

Table of contents

All under control
Three systems fully connected

Door communication, access control, and video surveillance.
ABB offers a complete range of smart products with all possibilities
at your fingertips.

An open, closed system
Not only Smarter Devices from ABB can be
seamlessly integrated in the entire system via IP
network technology. Open programming interfaces
and the included software development kit also
make it possible to integrate third-party
applications such as property management or
messaging systems in the system environment.
At the same time, centralized and decentralized
control and installation options protect your
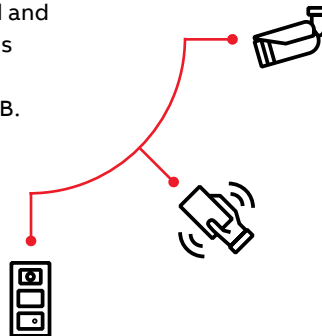system from unauthorized access.

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Customized solutions for
complete building automation –
in commercial, public, and
privately used buildings.

No matter what the challenge of your building is,
door communication, access control and video
surveillance has never been easier to control and
monitor. A more than smart connection gives
access to a wide range of possibilities and
products within the well-known range of ABB.

Applications
• Apartments
• Apartment complexes
• Homes
• Office buildings
• Commercial properties
• Multifunctional buildings

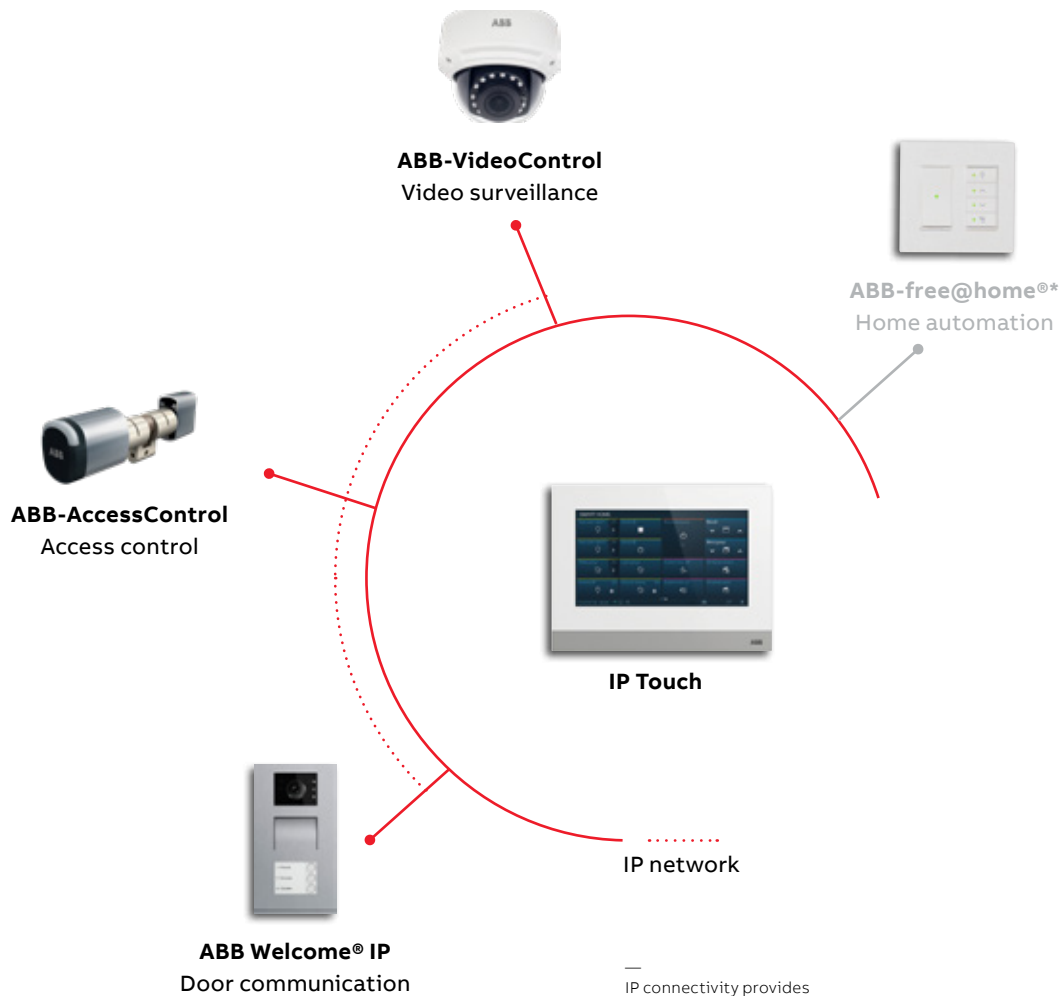**ABB-VideoControl**
Video surveillance

ABB-free@home®*
Home automation

ABB-AccessControl
Access control

IP Touch

IP network

ABB Welcome® IP
Door communication

—
IP connectivity provides
you with a customized and
smarter choice, regardless
of the size and distance.
This makes planning and
installation for projects
of every size far simpler.

Full integration of all systems
All products feature a sophisticated design and
a high level of functionality. The three systems
ABB-VideoControl, ABB-AccessControl, and ABB
Welcome® IP now also feature an IP-based flexibility,
that has a clear impact on the installation,
operation, and maintenance of the smart home
and building devices. They are suitable for even
the most stringent requirements as well as for
deployment in buildings of all kinds.

smartIP eco system
The platform does away with restrictions on the
number of devices and range, making planning and
installation for projects of every size far simpler.

A glance into the future: With the integration of the
ABB-free@home® into the IP world, ABB extends its
functionality many times over.

*interactions between ABB-free@home®, and/
or ABB-ibus® KNX are not possible

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 smart living and working provide the basis for a more comfortable 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.

Comforting 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 of door communication, access control, video surveillance 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 and networking video recorder makes the door communication, access control and video surveillance 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, configure alarms, back up video, footage recordings and more.

Easy setup
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, digital cylinder, 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.

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
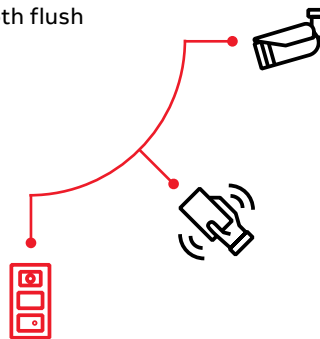
01   02   03   04

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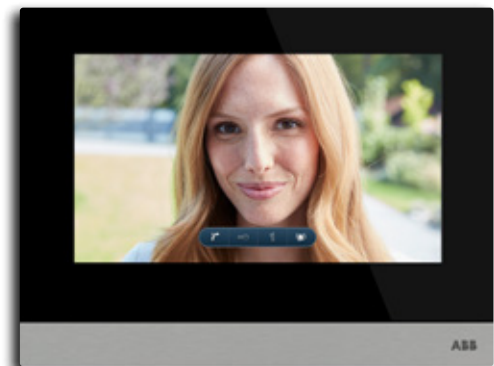
Installation now easier
Full range of installation boxes are offered to ensure the quality installation in different situations regardless of concrete walls or cavity walls. The flat flush mounted (7mm) and flat surface mounted (25mm) are both available, both with a very attractive design.

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, functionality and budget to the respective requirements. Expansion and changes are also possible at any time by easily changing the modules.
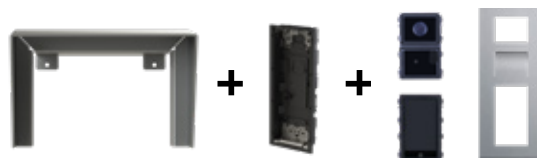
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01 Display
For messages, code
and building number

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

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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 input module for
keypad outdoor station

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07 Big display module
With integrated
transponder and keypad

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

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Access control
ABB-AccessControl

Access control via smart door locks is the application of choice for both commercial and residential projects. ABB-AccessControl ensures easy scalability, even for large-scale projects.

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01 ANSI Mortice cylinder lock, US
—
02 ANSI RIM cylinder lock, US

ABB-AccessControl comes along with maximum encryption transmission to ensure all cyber security demands. It can be planned as standalone solution or can be easily part of a bigger Building system due to smart connectivity via IP. ABB-AccessControl as professional solution supports remote access and management possibilities that makes people's lives easier, thus for operators and end-users. The MyBuildings portal powered by ABB Ability provides the right and secure remote service.

- Built-in batteries
- Visual and acoustic indication
- Emergency unlock (only for administrator)
- Key fob with various colors
- Remote firmware upgrade
- IP55
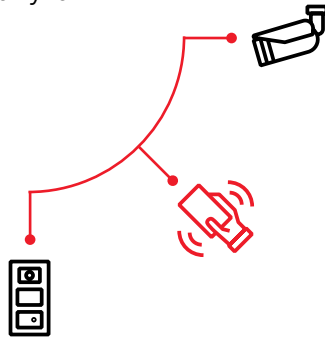
Maximum security by sophisticated encrypted communication
The DESfire EV1 key fob with sophisticated encryption technology makes duplication impossible. Plus the real-time cancellation to a lost or stolen key fob from management software, the door is secured all the time.

In addition, it is the encrypted radio frequency communication to transfer information from cylinder to Smart Access Point. Both repeater and IP-BLE gateway are also equipped with the same encryption mechanism.

User-friendly management system with intuitive web design
To intuitively visualize and manage the interlink between different user groups and door groups, is the key job of digital access control system. Administrator can quickly and easily execute all access plan updates on the system such as instant changes to user access privileges and can control the entire property. Meanwhile, administrator also can handle users' specific access rights to specific openings by setting the right mode from the choices of options.

Scalable to big project by IP-BLE gateway
ABB-AccessControl is not restricted with wireless transmission, which is superb in short distance projects. The versatile system can flexibly scale up thanks to the IP-BLE gateway. No limits of distance and capacity to decentralize each IP-BLE gateway to manage up to 16 cylinders. This makes the new and big construction projects as easy as small projects to plan and to install.

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Video surveillance
ABB-VideoControl

Video surveillance becomes safer, more convenient, and generally smarter, particularly for highly sensitive applications.

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01 Outdoor IPC,
4K, Dome
—
02 Outdoor IPC,
4K, Mini Dome
—
03 Outdoor IPC,
4K, Bullet
—
04 Outdoor IPC,
4K, Mini Bullet

ABB-VideoControl as professional surveillance system comes along as stand alone solution or can be easily part of a bigger building system due to smart connectivity via IP. Local and online video storage keeps you flexible depending on different project security needs.

The MyBuildings portal powered by ABB Ability provides ABB-VideoControl secure cloud storage service to access the surveillance results even remotely.

• Encrypted IP communication
• 24/7 recording and management via NVR
• Remote access video surveillance
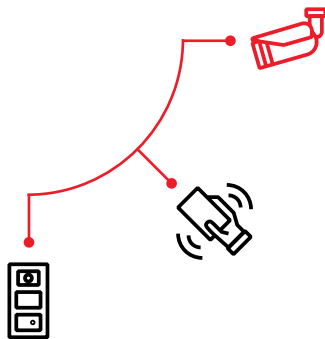
Advanced H.265 encoding helps to save up to 50% of bandwidth and storage
H.265 ITU-T VCEG is a new video coding standard technology that can improve compression efficiency robustness and error recovery capabilities. It also can help to improve real-time to reduce the delay, reduce channel acquisition time and a random access delay etc.

Perfectly networked system to protect your safety
With security attacks on the network infrastructure increasing, ABB has developed a series of secure technologies for the protection of data in its video surveillance solutions. ABB Secure Communication is a PC-level security for IP cameras. It has several features called data protection elements including data encryption IP communication encryption and verification. All these features will ensure the integrity of video evidence and overall data integrity of ABB IP video streams.

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The right view is the
key for professional
surveillance in every area.

ABB Welcome® IP Touch

The IP Touch 7" and 10" control panels are IP-based
and provide a far greater number of options for building control.

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01 IP Touch 7",
White glass
—
02 IP Touch 7",
Black glass

Powerful and beautiful. ABB's new IP Touch has
the two most built-to-last colors: white and black
glossy glass. The metal 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-
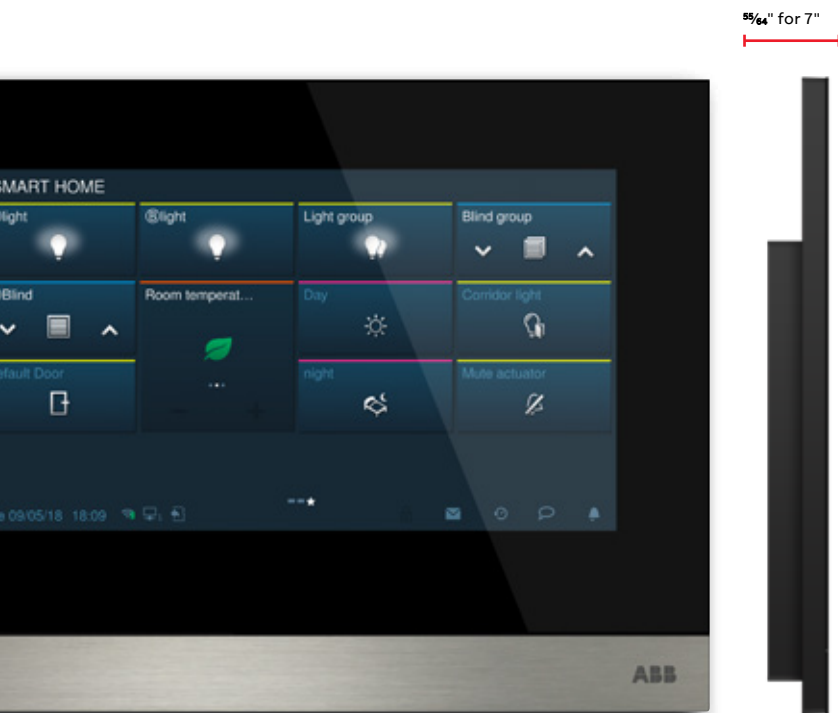residential areas.

- With high resolution display
- Intuitive GUI on sliding screen
- Selection of installation box options ensures
  easy installation on all kind of walls
- Induction loop for hearing aid
- Only ⁵⁄₁₆" depth when flush mounted
- Both LAN and Wi-Fi version to connect
  to home network
- Easily connect mobile phone for app access
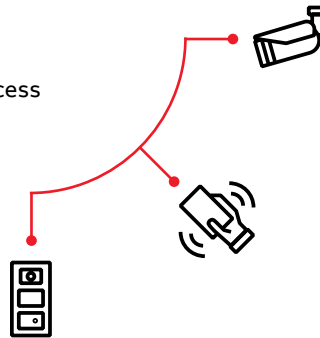
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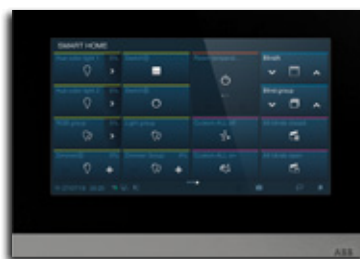
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Home and building dashboard

Main menu with easy settings for door communication, video surveillance and home automation. 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

Our thin flush-mounted panel 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.

App and 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", 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.
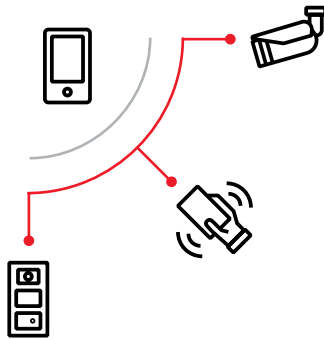
Video surveillance
- Local and remote real-time live view
- Record and playback video
- Snap shot and browse pictures
- Motion detection and instant alerts

Access control
- Local and remote unlock door
- Shows the unlock time in office mode
- Guest account creation and sharing

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, access control 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 <=500) or premium version running the server in PC (no limitation of devices managed)
- Support different versions of web-browser
- API for unlock integration with 3rd party system
- SOS message sending to all devices in case of emergency
- Easy to configure the App for digital cylinder system or CCTV system

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The Smart Management Software guides the users easily through the setup of the applications
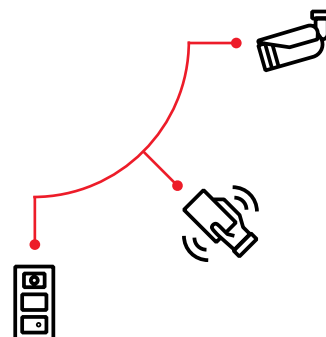
Easy management
Manage all your users in one place with just a few simple clicks. You have the opportunity to individually determine who enters when and where, who has the right to view which camera. And if you want to change that just log-in, make your changes and it's done.

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.

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

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All-round video surveillance

Thanks to the IP technology, the guard unit can realize video surveillance and audio communication through outdoor stations now. What is more, the community IP cameras and the standard ONVIF camera are now also possible as an additional video source to be viewed and stored.

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.

Application
Multiple connections
and possibilities

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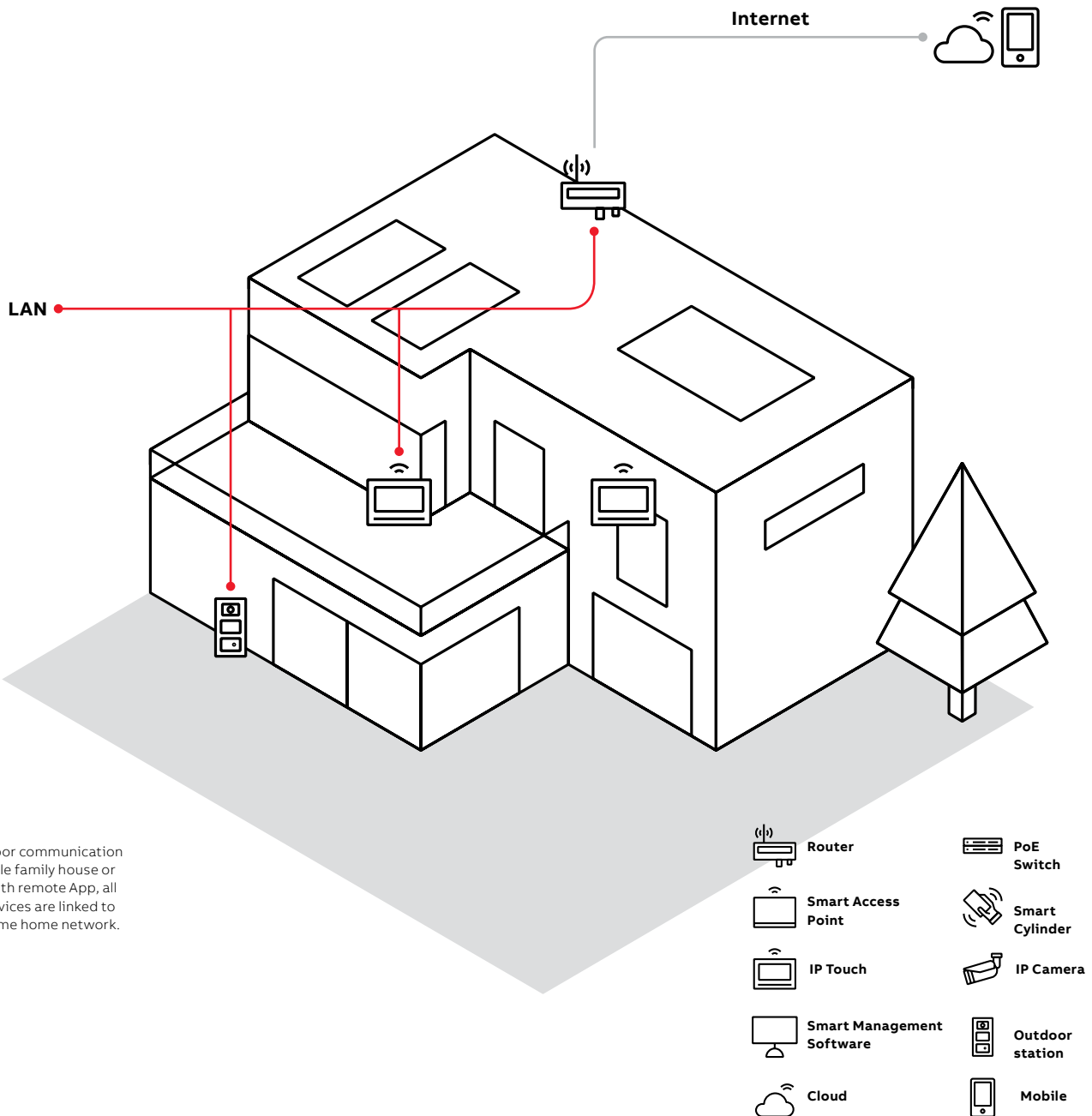solution in commercial, public or residential buildings.

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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
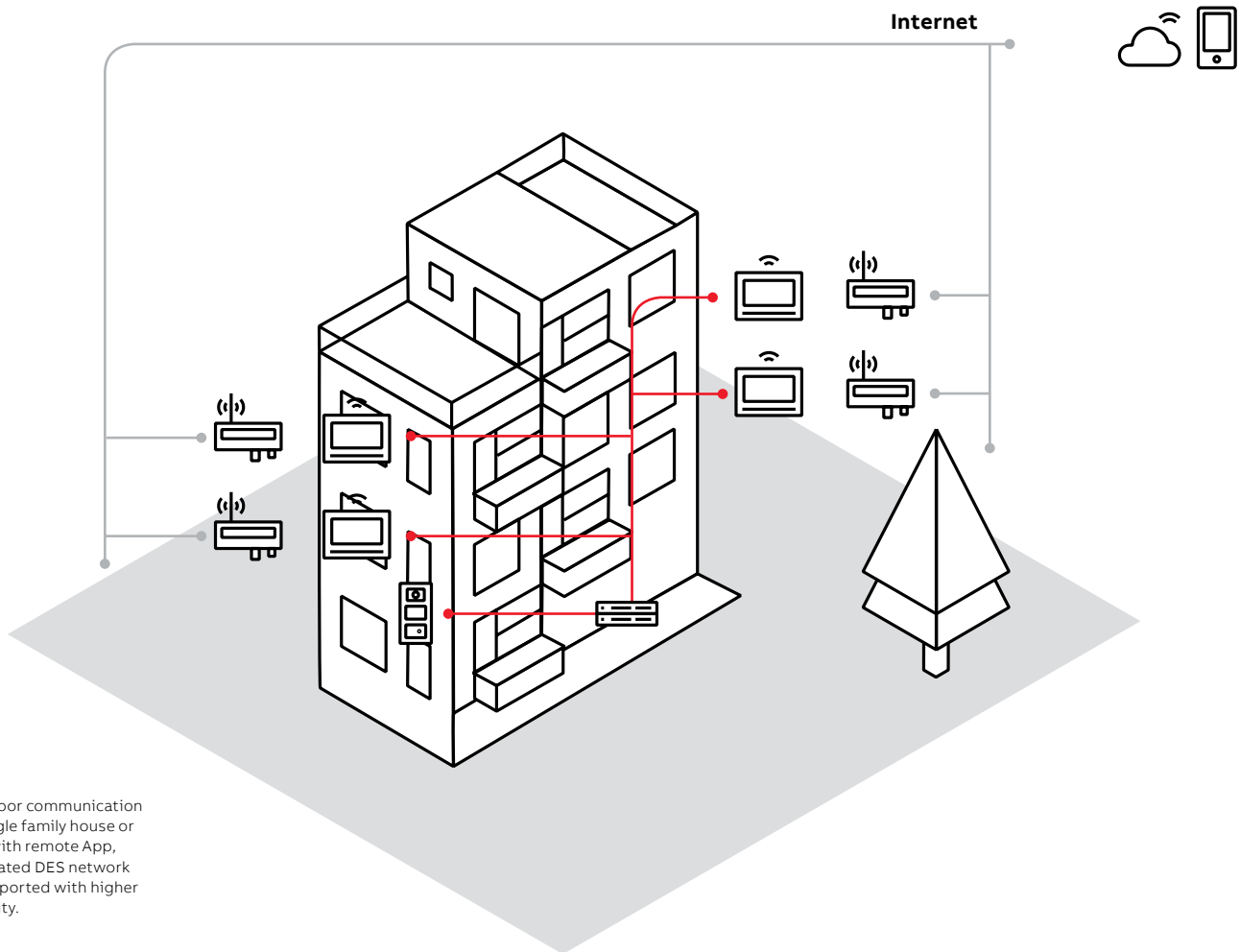open the door remotely.

Internet

LAN

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

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

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Applications
Door communication

Internet

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

Applications
Access control

- Apartments need to replace existing door bell system by smart Access Point
- Small and middle size residential application such as apartments, where door locks are in range of smart Access Point
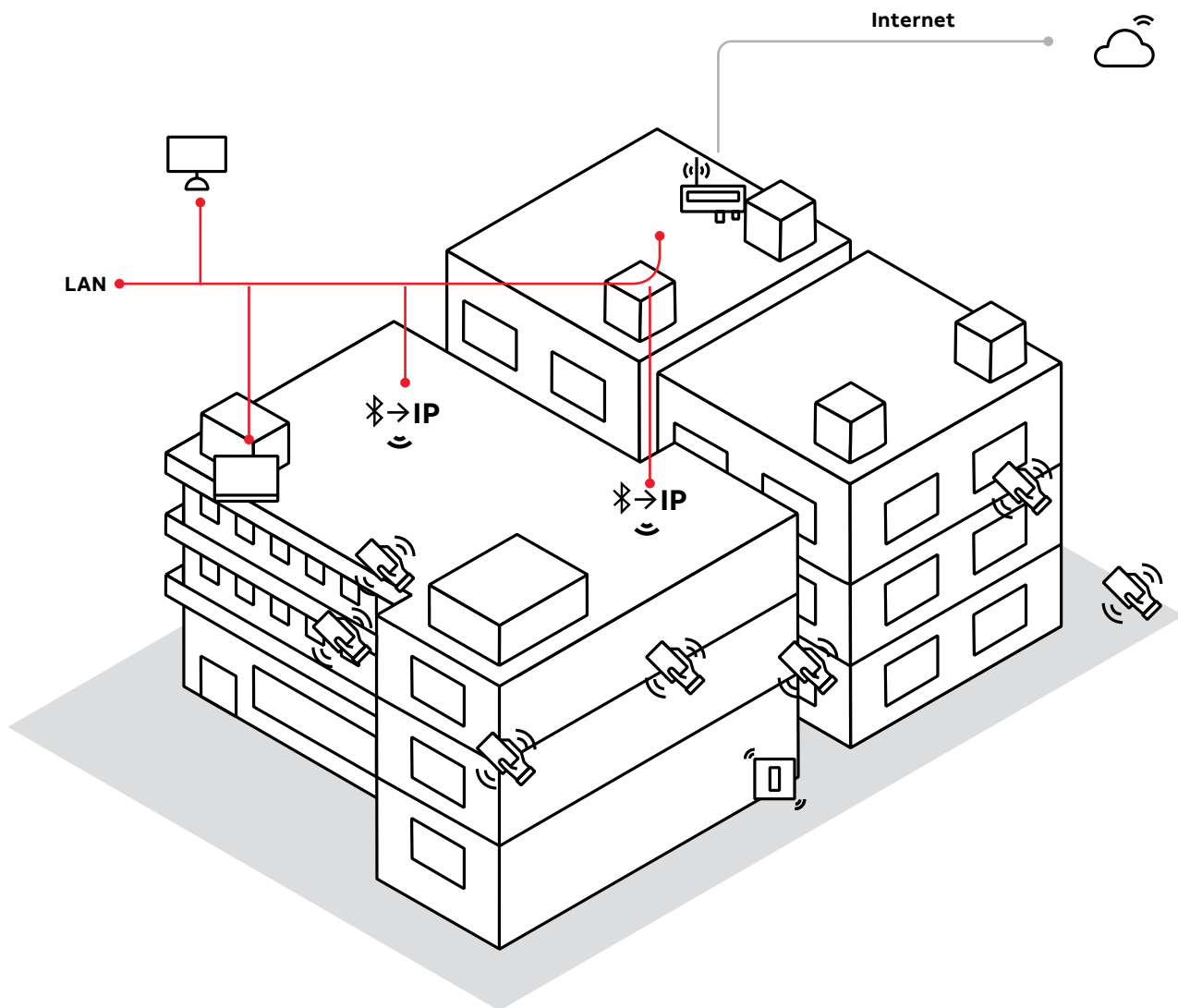- Small office, with less than 16 doors
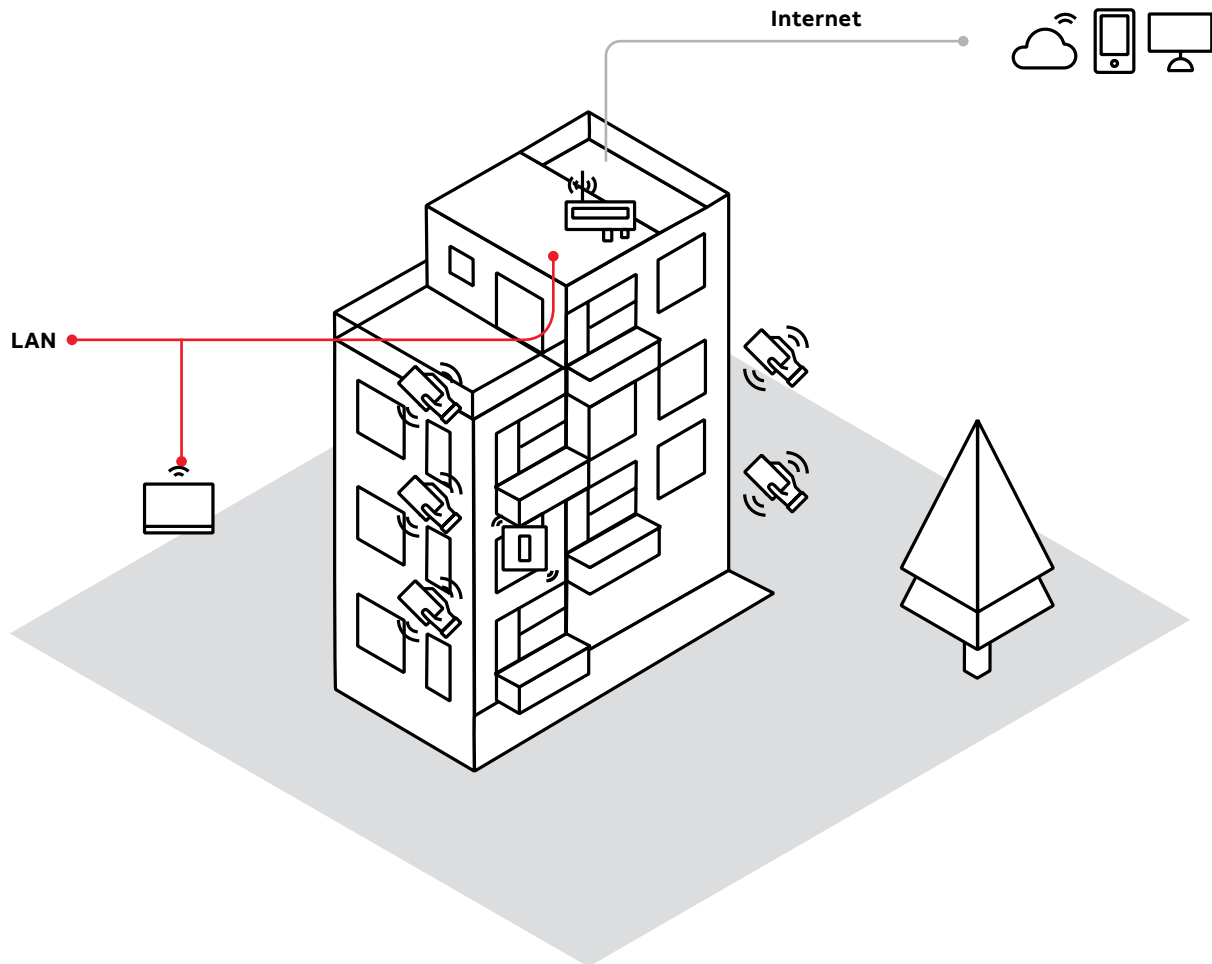
Applications
Access control

- Large size residence with many rooms and floors, where communication over backbone IP is easier because walls are too thick to transfer wireless signal
- Commercial application, e.g. hospital, school, with multiple doors and long distances from each door to control center

Applications
Video surveillance

The video surveillance system of ABB-VideoControl can provide the public monitor and private monitor separately. The owner can monitor the public area. The video surveillance system can also combine with burglar system. It can send messages through App to the owner's cell phone.
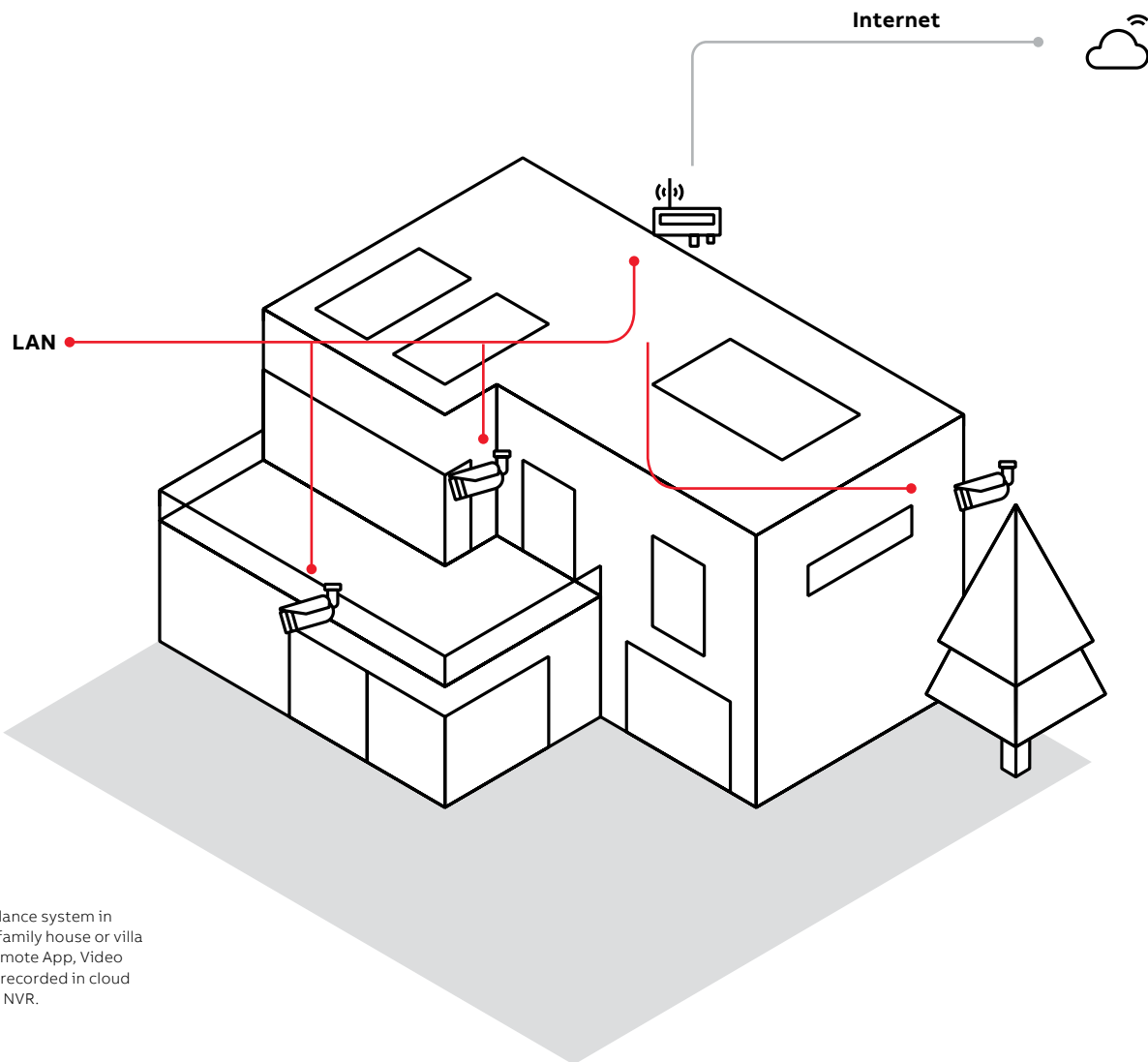
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Surveillance system in single family house or villa with remote App, Video can be recorded in cloud and/or NVR.

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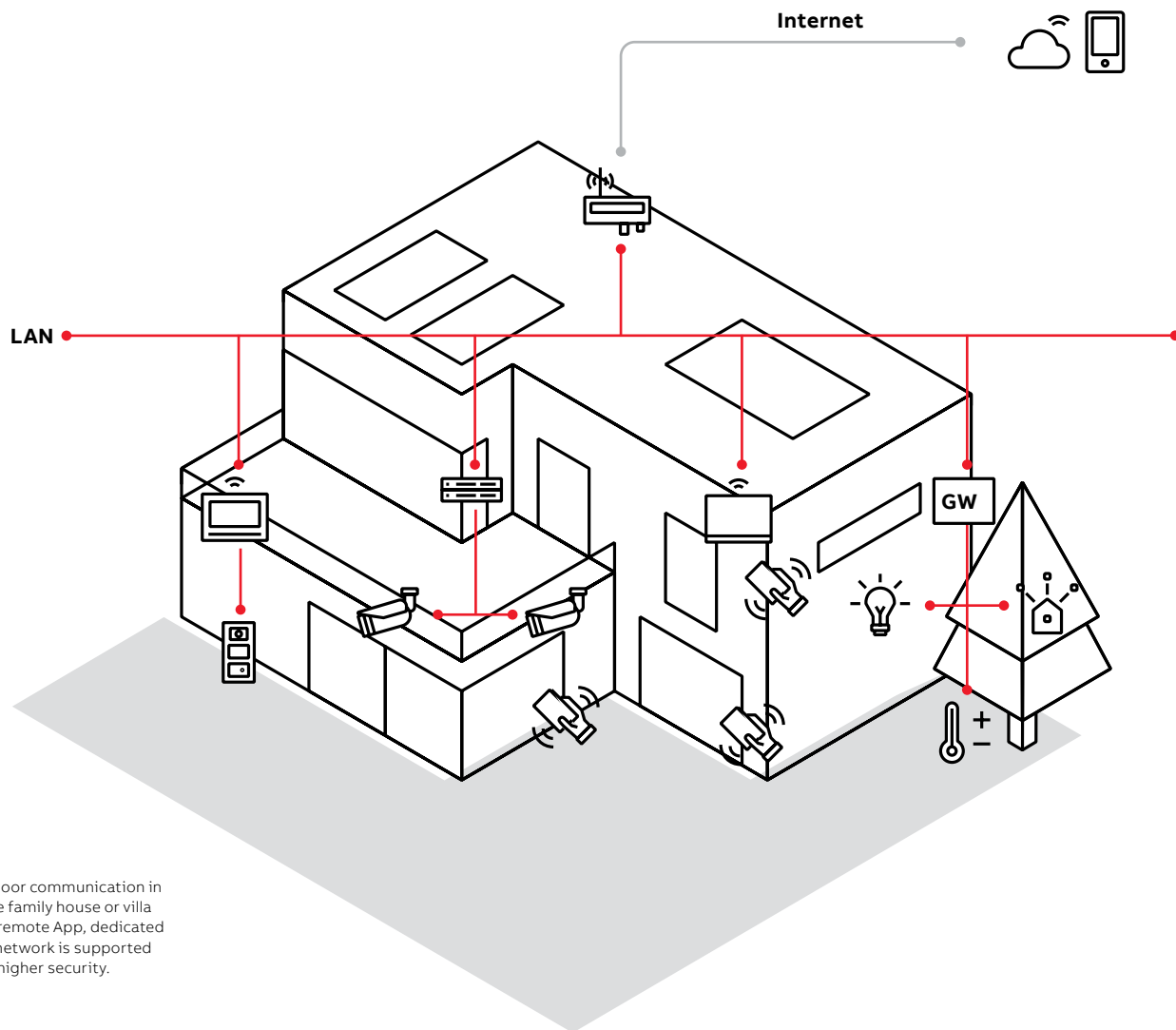
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The door communication in single family house or villa with remote App, dedicated DES network is supported with higher security.

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Door entry communication

ABB Welcome® IP - Video outdoor stations

Video outdoor station, touch 5"

Description	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.
Features	• HD video streaming (720P) with 130 degree angle • Super anti-fog coating and built-in heater • LED indicator for real-time status • Intuitive operable touchscreen & virtual keypad integrated • Advertising or Developer promotion display area • Name list / logo / physical address / logical address calling type • Wiegand output available • Opening of the door by DES Fire or IC card
Technical details	• Flush mounting and surface mounting (4 modules, size 1/4) • Dustproof and waterproof as IP54 - Dimensions: 349 x 135 x 29 mm

Version	Stainless steel	White
Article no.	H81381T-S	H81381T-W
Order no.	2TMA130010X0009	2TMA130010W0013

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Door entry communication
ABB Welcome® IP - Video outdoor stations

Video pushbutton outdoor station

Description	Video outdoor station with transponder and pushbutton(s) serves as end device for the communication with IP touch panel, guard unit or property management.
Features	• HD video streaming (720P) with 130 degree angle • Super anti-fog coating and built-in heater • LED indicator for real-time status • Bar and around pushbutton for optional • Pushbutton could be programmed as you want (switch on lighting, call indoor station or guard unit) • Bright back-lit ensures clear nameplate at night time • Opening of the door by DESFire or IC card.
Technical details	• Flush mounting and surface mounting (3 modules, size 1/3) • Dustproof and waterproof as IP54, vandal proof as IK07 • Dimensions: 277 x 135 x 29 mm

Version	Stainless steel, 1 pushbutton	Stainless steel, 2 pushbutton	Stainless steel, 3 pushbutton
Article no. **Order no.**	H81381P1-S 2TMA130010X0001	H81381P2-S 2TMA130010X0002	H81381P3-S 2TMA130010X0003
Version	White, 1 pushbutton	White, 2 pushbutton	White, 3 pushbutton
Article no. **Order no.**	H81381P1-W 2TMA130010X0004	H81381P2-W 2TMA130010X0005	H81381P3-W 2TMA130010X0006

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Door entry communication
ABB Welcome® IP - Video outdoor stations

Video keypad outdoor station

Description	Video outdoor station with display, transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.
Features	• HD video streaming (720P) with 130 degree angle • Super anti-fog coating and built-in heater • LED indicator for real-time status • Module design makes installation as easy as 1-2-3 • Physical address • Wiegand output available • Opening of the door by DESFire, ID card or IC card • Brushed stainless steel surface
Technical details	• Flush mounting and surface mounting • Dustproof and waterproof as IP54, vandal proof as IK07 • Dimensions: 349 x 135 x 29 mm

Version	Stainless steel with ID	Stainless steel with IC	White with ID	White with IC
Article no.	H81383K-S	H81384K-S	H81381K-W	H81382K-W
Order no.	2TMA130010X0037	2TMA130010X0038	2TMA130010W0033	2TMA130010W0037

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Door entry communication

ABB Welcome® IP - Video indoor stations

IP touch 7"

Description	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.
Features	• Intuitive GUI on sliding screen (1024 x 600) • Clean and consistent design with invisible mic and speaker hole • Slim thickness with 7.8 mm when flush mounted • Color, material, end strip and mounting type selectable • Extension to App without additional system device • Central control panel to DES, surveillance, home automation (KNX and F@H) • API and web-browser enables easy 3rd party integration • Cyber security and data privacy • Easy installation in all kind of walls • PoE and local power supply optional • Remote firmware update
Technical details	• Flush mounting and surface mounting • Dustproof and waterproof as IP30 • Dimensions: 139 x 150 x 36 mm

Version	White, LAN connection to Welcome + Wi-Fi connection to local network for app control and integrations	White, LAN connection to Welcome + LAN connection to local network for app control and integrations	White, LAN connection to Welcome only (for additional stations in a unit)
Article no. **Order no.**	H82364-W 2TMA130050W0004	H82365-W 2TMA130050W0005	H82366-W 2TMA130050W0006
Version	Black, LAN connection to Welcome + Wi-Fi connection to local network for app control and integrations	Black, LAN connection to Welcome + LAN connection to local network for app control and integrations	Black, LAN connection to Welcome only (for additional stations in a unit)
Article no. **Order no.**	H82364-B 2TMA130050B0004	H82365-B 2TMA130050B0005	H82366-B 2TMA130050B0006
Version	Basic, white, LAN connection to Welcome + Wi-Fi connection to local network for app control		
Article no. **Order no.**	H82364-WG 2TMA130050W0053		
Version	Basic, black, LAN connection to Welcome + Wi-Fi connection to local network for app control		
Article no. **Order no.**	H82364-BG 2TMA130050B0053		

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Door entry communication
ABB Welcome® IP - System devices

Guard unit

Description	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.
Features	• Support to establish surveillance to outdoor station or IP camera • Intercept to increase the security and service • Support to release all doors or dedicated doors in case of emergency • Receive the alarm and panic call (SOS) from IP touch panel
Technical details	• Dimensions: 265 x 165 x 117 mm
Article no. **Order no.**	H8303 2TMA130160W0018

Interface module for LAN + RS485 + 8 alarm zones

Description	Interface module use to extend LAN port, RS485 port, and alarm zones.

Features	• LAN port for private and public network
	• channels relay output
	  1 channel 485 output
	  12 V DC, 200 mA output

Technical details	• Dimensions: 82 x 60 x 17 mm
Article no. **Order no.**	52361EX 2TMA130160H0049

IP actuator (LAN port)

Description	Connecting electrical door opener or hall light directly.
Features	• Easy to adjust the switching duration of unlock or the switching of light
Technical details	• Dimensions: 90 x 72 x 65 mm
Version	Grey
Article no. **Order no.**	H8304 2TMA130160H0051

24 V DC mini power adapter

Description	Power adapter supplies the power for IP touch panel and Wip AP.		
Features	• Provide stable power supply input		
Technical details	Dimensions: 44 x 72 x 60 mm	Dimensions: 44 x 72 x 60 mm	Dimensions: 44 x 72 x 65 mm
Version	American standard		
Article no. **Order no.**	53012PS 2TMA130160W0024		

Door entry communication

ABB Welcome® IP - Installation material

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

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 139 x 150 x 36 mm	
Version	Anthracite	Grey
Article no. Order no.	41381F-B 2TMA130160B0001	41381F-H 2TMA130160H0001

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

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 139 x 150 x 36 mm	
Version	Anthracite	Grey
Article no. Order no.	41382F-B 2TMA130160B0002	41382F-H 2TMA130160H0002

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

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 275 x 133 x 52 mm	
Version	Anthracite	Grey
Article no. Order no.	41383F-B 2TMA130160B0003	41383F-H 2TMA130160H0003

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

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 347 x 133 x 52 mm	
Version	Anthracite	Grey
Article no. Order no.	41384F-B 2TMA130160B0004	41384F-H 2TMA130160H0004

Door entry communication

ABB Welcome® IP - Installation material
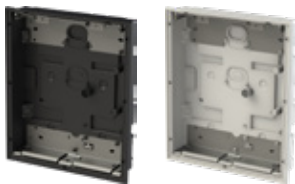
Flush-mounted box, 5 modules, size 1/5

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 419 x 133 x 52 mm	
Version	Anthracite	Grey
Article no. Order no.	41385F-B 2TMA130160B0005	41385F-H 2TMA130160H0005

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

Description	Mounting of outdoor station into the wall	
Features	• 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.	
Technical details	• Dimensions: 275 x 233 x 52 mm	
Version	Anthracite	Grey
Article no. Order no.	41386F-B 2TMA130160B0006	41386F-H 2TMA130160H0006

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

Description	Mounting of outdoor station on the wall	
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.	
Technical details	• Dimensions: 137 x 133 x 32 mm	
Version	Anthracite	Grey
Article no. Order no.	41381S-B 2TMA130160B0009	41381S-H 2TMA130160H0009

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

Description	Mounting of outdoor station on the wall	
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.	
Technical details	• Dimensions: 203 x 133 x 32 mm	
Version	Anthracite	Grey
Article no. Order no.	41382S-B 2TMA130160B0010	41382S-H 2TMA130160H0010

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Door entry communication

ABB Welcome® IP - Installation material

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

Description	Mounting of outdoor station on the wall
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 275 x 133 x 32 mm
Version	Anthracite Grey
Article no. **Order no.**	41383S-B 41383S-H 2TMA130160B0011 2TMA130160H0011

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

Description	Mounting of outdoor station on the wall
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 347 x 133 x 52 mm
Version	Anthracite Grey
Article no. **Order no.**	41384S-B 41384S-H 2TMA130160B0012 2TMA130160H0012

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

Description	Mounting of outdoor station on the wall
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 419 x 133 x 32 mm
Version	Anthracite Grey
Article no. **Order no.**	41385S-B 41385S-H 2TMA130160B0013 2TMA130160H0013

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

Description	Mounting of outdoor station on the wall
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 275 x 233 x 32 mm
Version	Anthracite Grey
Article no. **Order no.**	41386S-B 41386S-H 2TMA130160B0014 2TMA130160H0014

Surface mounted box for IPtouch 7

Description	Mounting of IP Touch on the wall
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 197 x 148 x 13 mm
Version	White Black
Article no. **Order no.**	42361S-W 42361S-B 2TMA130160W0017 2TMA130160B0080

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Door entry communication

ABB Welcome® IP - Installation material

Flush mounted box for IP touch 7

Description	Serves for assembling of outdoor station modules as a complete outdoor station.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 194 x 145 x 55 mm
Version	2 boxes together
Article no. **Order no.**	42361F 2TMA130160H0050

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 133 x 124 x 65 mm
Version	Anthracite
Article no. **Order no.**	41381PB 2TMA130160B0017

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 199 x 124 x 65 mm
Version	Anthracite
Article no. **Order no.**	41382PB 2TMA130160B0018

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 270 x 124 x 65 mm
Version	Anthracite
Article no. **Order no.**	41383PB 2TMA130160B0019

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 347 x 124 x 65 mm
Version	Anthracite
Article no. **Order no.**	41384PB 2TMA130160B0020

Door entry communication

ABB Welcome® IP - Installation material

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 415 x 124 x 65 mm
Version	Anthracite
Article no. **Order no.**	41385PB 2TMA130160B0021

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

Description	Serves for the mounting of outdoor station into the wall for higher stability.
Features	• For surface-mounted installation of outdoor station. • The product is packed with accessories to ensure qualified installation.
Technical details	• Dimensions: 332 x 271 x 224 mm
Version	Anthracite
Article no. **Order no.**	41386PB 2TMA130160B0022

Rain hood, size 1/x, for SM

Description	Rain hood for rust and water protection
Features	• The aluminum rain hood is designed to adapt to both surface mounting
Technical details	• Dimensions: 176 x 98 x 143 mm
Version	For surface mounted
Article no. **Order no.**	41383RH 2TMA130160A0009

Rain hood, size 2/x, Aluminum

Description	Rain hood for rust and water protection
Features	• The aluminum rain hood is designed to adapt to both surface mounting
Technical details	• Dimensions: 263 x 98 x 143 mm
Version	For surface mounted
Article no. **Order no.**	41384RH 2TMA130160A0010

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Door entry communication

ABB Welcome® IP - Installation material

Rain hood, size 1/x, Aluminum

Description	Rain hood for rust and water protection
Features	• The aluminum rain hood is designed to adapt to both surface mounting and flush mounting.
Technical details	• Dimensions: 98 x 143 x 68 mm
Version	For flush mounted installation
Article no. **Order no.**	41381RH 2TMA130160A0001

Rain hood, size 2/x, Aluminum

Description	Rain hood for rust and water protection
Features	• The aluminum rain hood is designed to adapt to both surface mounting and flush mounting.
Technical details	• Dimensions: 98 x 243 x 68 mm
Version	For flush mounted installation
Article no. **Order no.**	41382RH 2TMA130160A0002

Rain hood, size 3/x, Aluminum

Description	Rain hood for rust and water protection
Features	• The aluminum rain hood is designed to adapt to both surface mounting and flush mounting.
Technical details	• Dimensions: 202 x 98 x 416 mm
Version	For surface mounted
Article no. **Order no.**	41385RH 2TMA130160A0017

Video outdoor station frame, size 1/3

Description	Installation materials that are used for outdoor station	
Features	• The invisible screw design is aesthetically pleasing	
Technical details	• Dimensions: 273 x 135 x 18 mm	
Version	Stainless steel	White
Article no. **Order no.**	41383CF-S 2TMA130160X0004	41383CF-W 2TMA130160W0002
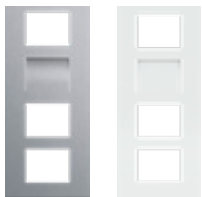
Video outdoor station frame, size 1/4

Description	Installation materials that are used for outdoor station	
Features	• The invisible screw design is aesthetically pleasing	
Technical details	• Dimensions: 349 x 135 x 18 mm	
Version	Stainless steel	White
Article no. **Order no.**	41384CF-S 2TMA130160X0005	41384CF-W 2TMA130160W0003

Door entry communication

ABB Welcome® IP - Installation material

Video outdoor station frame, size 1/5

Description	Installation materials that are used for outdoor station	
Features	• The invisible screw design is aesthetically pleasing	
Technical details	• Dimensions: 349 x 135 x 18 mm	
Version	Stainless steel	White
Article no. **Order no.**	41385CF-S 2TMA130160X0006	41385CF-W 2TMA130160W0004

Video outdoor station frame, size 2/3

Description	Installation materials that are used for outdoor station
Features	• The invisible screw design is aesthetically pleasing
Technical details	• Dimensions: 277 x 235 x 18 mm
Version	Stainless steel
Article no. **Order no.**	41386CF-S 2TMA130160X0007

Video outdoor station frame without A/V module, size 1/3

Description	Installation materials that are used for outdoor station
Features	• The invisible screw design is aesthetically pleasing
Technical details	• Dimensions: 277 x 135 x 18 mm
Version	Stainless steel
Article no. **Order no.**	41393CF-S 2TMA130160X0060

Video outdoor station frame without A/V module, size 1/4

Description	Installation materials that are used for outdoor station
Features	• The invisible screw design is aesthetically pleasing
Technical details	• Dimensions: 349 x 135 x 18 mm
Version	Stainless steel
Article no. **Order no.**	41394CF-S 2TMA130160X0064

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Door entry communication
ABB Welcome® IP - Outdoor station modules

A/V module with 720P camera, LAN cable

Description	Audio and video module as the heart of outdoor station.
Features	• HD video streaming (720P) with 130 degree angle • Super anti-fog coating and built-in heater • LED indicator for real-time status • Suitable for the disabled
Technical details	• Dimensions: 143 x 96 x 28 mm
Article no. **Order no.**	H851381M-S 2TMA130160B0081

Round pushbutton

Description	1/2/3 pushbutton for visitor to press for calling		
Features	• Pushbutton could be programmed as you want (switch on lighting, call indoor station or guard unit) • Bright back-light ensures clear nameplate at night time • Opening of the door by DESFire or IC card		
Technical details	Dimensions: 97 x 72 x 25 mm		
Version	1	2	3
Article no. **Order no.**	51381RP1 2TMA130160N0003	51381RP2 2TMA130160N0004	51381RP3 2TMA130160N0005
Version	with NFC/IC -1	with NFC/IC -2	with NFC/IC -3
Article no. **Order no.**	51382RP1 2TMA130160N0006	51382RP2 2TMA130160N0007	51382RP3 2TMA130160N0008

Bar pushbutton

Description	3/6 or 4/8 pushbutton for visitor to press for calling	
Features	• Pushbutton could be programmed as one column or double columns • Bright back-light ensures clear nameplate at night time	
Technical details	Dimensions: 97 x 72 x 25 mm	
Version	3-Bar button	4-Bar button
Article no. **Order no.**	51381SP3 2TMA130160N0001	51381SP4 2TMA130160N0002

Big display module

Description	Integrated with transponder and keypad serves as big touch screen for daily operation for residential owners and visitors.
Features	• Intuitive operable touchscreen and virtual keypad integrated • Advertising or Developer promotion display area • Name list / logo / physical address / logical address calling type • Opening of the door by DESFire or IC card. • Wiegand output available
Technical details	Dimensions: 143 x 96 x 23 mm
Version	5 inch, IC/Desfire
Article no. **Order no.**	H851381DP 2TMA130160B0082

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Door entry communication
ABB Welcome® IP - Outdoor station modules

Keypad with 1abc input

Description	Digital input module for keypad outdoor station	
Features	• Brushed stainless steel surface • Wiegand output available • Customized passwords are allowed • Back-light automatically on for visibility at night • Call guard unit is available	
Technical details	Dimensions: 97 x 72 x 25 mm	
Version	Stainless steel	White
Article no. Order no.	51381K-S 2TMA130160X0001	51381K-W 2TMA130010W0014

Display

Description	Display module ensure the customized message, code, and legible number always can be read.	
Features	• Physical address / logical address calling type • Opening of the door by DESFire or IC card. • Wiegand output available • Up to 5000 cards can be registered	
Technical details	Dimensions: 97 x 72 x 25 mm	
Version	IC Card	ID Card
Article no. Order no.	51382CR 2TMA130160N0009	51381CR 2TMA130160N0010

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Door entry communication

ABB Welcome® IP - Accessories

IP touch 7, end strip

Description	End strip for IP touch 7 inch panel		
Features	• Easy to install and replace • Different colors to meet your needs		
Technical details	Dimensions: 198.51 x 16.2 x 7.4 mm		
Version	Silver	Gold	Anthracite
Article no. Order no.	52361EP-S 2TMA130160S0001	52361EP-G 2TMA130160G0001	52361EP-H 2TMA130160H0052

Outdoor station, end strip

Description	End strip for outdoor station cover frame.		
Features	• Easy to install and replace		
Technical details	Dimensions: 71 x 135 x 19 mm	Dimensions: 71 x 135 x 19 mm	Dimensions: 123 x 235 x 19 mm
Version	size 1/x, Stainless steel	size 1/x, White	size 2/x, Stainless steel
Article no. Order no.	51381EP-S 2TMA130160X0002	51381EP-W 2TMA130160W0001	51382EP-S 2TMA130160X0003

Joining fixture

| Description	Joining fixture used when more than one flush mounted box needs to be connected together.
Features	• Easy to integrate mounting boxes together
Technical details	Dimensions: 83 x 120 x 80 mm
Article no. Order no.	51381J 2TMA130160B0124

Mounting tool

Description	The mounting tool used to dismount the outdoor station.
Features	• Easy to installation and removal end strip
Technical details	Dimensions: 14 x 165 x 26 mm
Version	135 mm panel
Article no. Order no.	51381MT 2TMA130160B0025

Access control

ABB-AccessControl - System devices
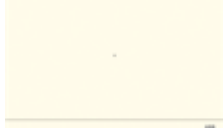
Smart Access Point

Description	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.
Features	• Easy commissioning • Access rights, who, where, when… • Enhanced security with record event log and receive notification and alert • Manage all connected devices • Interaction between different systems • Manage welcome App • Event management and building-wide messaging

Technical details	• Dimension: 204 mm × 132 mm × 32 mm
	• Network parameter:
	 - Operating mode:
	   LAN/Wireless access point
	 - Wireless transmission band:
	   IEEE 802.11 a/b/g/n 2.4 GHz/5.8 GHz
	 - Safety standard: WPA-PSK, WPA2-PSK, WPA, WPA2, IEEE 802.1x
	 - Network connection standard:
	   10 / 100 Mbps, auto MDI/MDI-X
	• Power supply:
	 - 24 V DC, together with ABB power adapter
	 - PoE(Power over Ethernet)
	• Environment:
	 - Temperature: -10 °C to +45 °C
	 - Protection type: IP30
	 - Vandal proof: IK07
	 - Humidity: 0 to 95%, non-condensing

Version	Lite
Article no. **Order no.**	D04012 2TMA400260W0001

Access control

ABB-AccessControl - Cylinders

ANSI Mortice cylinder lock

Description	The cylinder is suitable for any interior or weather-proofed exterior door, making it a very versatile solution. As there is no wiring whatsoever, mounting and replacement is completed in next to no time, whether you are installing a cylinder for the first time or retrofitting. The cylinder can be operated offline, in a local networked configuration or online through internet.
Features	• Simple installation and easy retrofit to traditional mechanical cylinder • Different portfolios to meet different user scenarios • Simple and intuitive design • Highly security on mechanical protection and data transfer • Easy and feasible configuration and daily management
Technical details	Supported RFID standards • MIFARE (DESFire EV1) Radio interface: • Bluetooth standard: 4.2 • Bluetooth frequency: 2.4 GHz Power supply/service life: • 4 x LR1 alkaline batteries • Battery life at 20 °C: up to 130,000 cycles or up to 3 years Environment • Temperature: -35 °C to -55 °C • Humidity: 0 to 95%, non-condensing Certification symbol • CE, UL, CCC, FCC, IP66, RCM, EAC, WEEE

US version mortise profile cylinder

Order no.	Article no.	Technical data
2CKA008300A0986	D01MO320005NF1-04	32/00 MO
2CKA008300A0987	D01MO350005NF1-04	36/00 MO
2CKA008300A0988	D01MO380005NF1-04	38/00 MO
2CKA008300A0989	D01MO410005NF1-04	41/00 MO
2CKA008300A0990	D01MO440005NF1-04	44/00 MO
2CKA008300A0991	D01MO500005NF1-04	50/00 MO

Access control
ABB-AccessControl - Cylinders

ANSI RIM cylinder lock

Description	The cylinder is suitable for any interior or weather-proofed exterior door, making it a very versatile solution. As there is no wiring whatsoever, mounting and replacement is completed in next to no time, whether you are installing a cylinder for the first time or retrofitting. The cylinder can be operated offline, in a local networked configuration or online through internet.
Features	Simple installation and easy retrofit to traditional mechanical cylinder Simple and intuitive design Highly security on mechanical protection and data transfer Easy and feasible configuration and daily management
Technical details	Supported RFID standards • MIFARE (DESFire EV1) Radio interface: • Bluetooth standard: 4.2 • Bluetooth frequency: 2.4 GHz Power supply/service life: • 4 x LR1 alkaline batteries • Battery life at 20 °C: up to 130,000 cycles or up to 3 years Environment • Temperature: -35 °C to -55 °C • Humidity: 0 to 95%, non-condensing Certification symbol • CE, UL, CCC, FCC, IP66, RCM, EAC, WEEE

US version RIM profile cylinder

Order no.	Article no.	Technical data
2CKA008300A0983	D01US000008NF1-04	00/00

ABB

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ABB Inc.

More information