Open up possibilities

Discover a smarter life of door entry communication, access control and home and building automation.

⊕

- **ABB-Welcome**
- **ABB-Welcome IP**
- **ABB-Access Control**

—

Your home is an expression of yourself. With ABB Door Entry and Access Control Systems, your personal style is enhanced by its innovative technology. ABB Door Entry and Access Control System is more than just a door entry system. It's the future of building & home automation monitoring and security at your fingertips. Thanks to this solution, your buildings will be more smart, flexible and secure.

Table of contents

Values & Benefits
of our systems

Everyone deserve enjoying a smarter home and as ABB we simplify, make people's lives more comfortable and safer.

Simplicity of user experience and UI design

Flexibility

Connectivity thanks to IP and 2-wire system

The benefits of our solutions
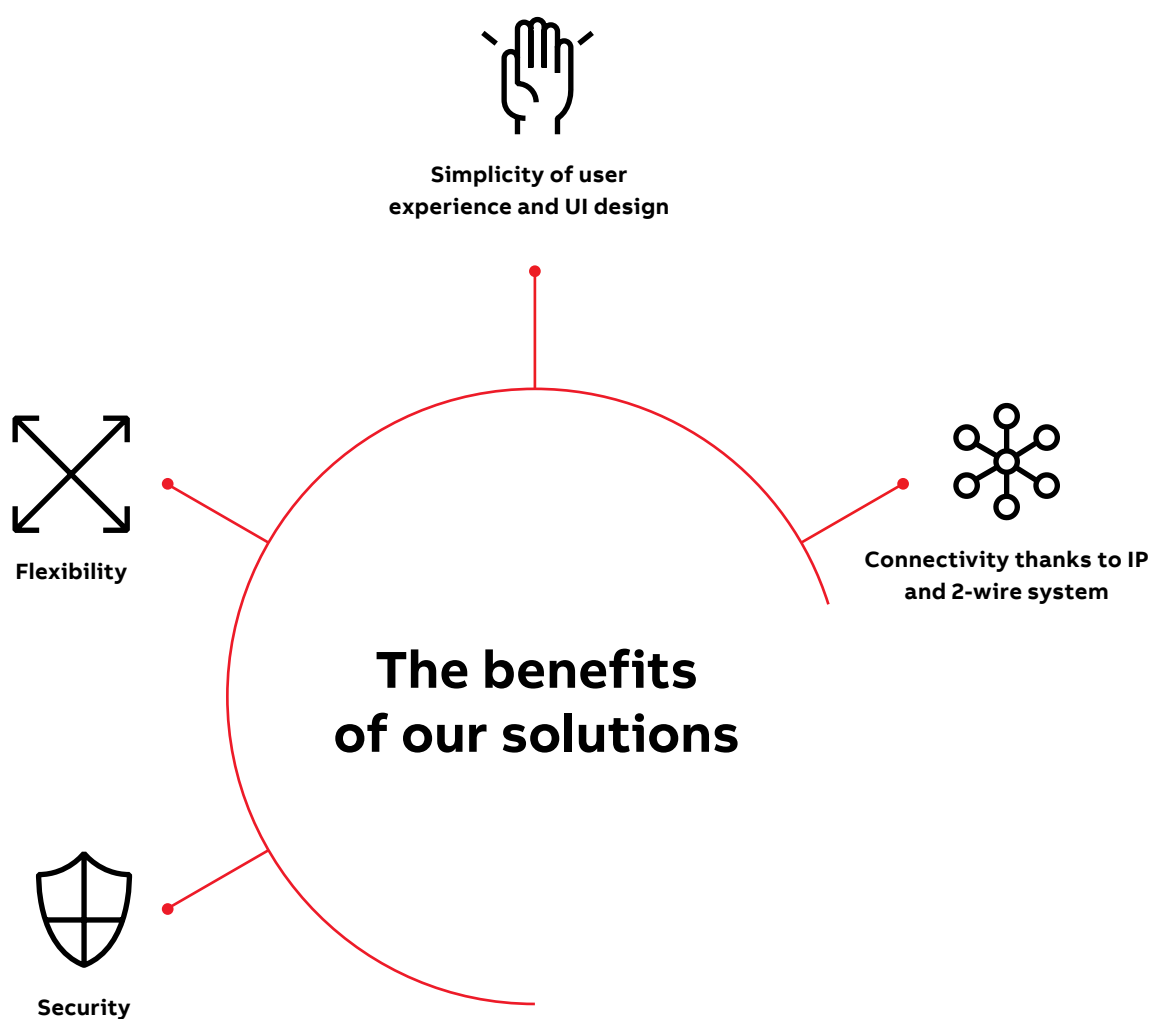
Security

Security
Values & Benefits

Physical, concrete 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. Both ABB- Welcome and ABB-Welcome IP provide secure control of your accesses, whether we are talking about gates, front doors or entrance doors.Thanks to door entry technology, and in particular IP HD technology, the residents of the house and building are always accessible to visitors with high-definition images transmitted from a multi-channel bandwidth. It is much more colourful, brighter, clearer and no interference in communication.

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Cyber security

We believe that security and privacy are core values in our life. We want to protect you, at the same time giving you control over your home. In ABB-Welcome IP, we protected all the communications among all the devices and the cloud. At ABB we design the devices you use every day, whether it's for door entry, home automation or intrusion, to make this possible, integrating the most powerful technologies for your security.

MyBuildings portal:
Enterprise-grade cloud infrastructure is designed for uninterrupted operation and securely protects your communication and data … all for your home!

ABB Cyber Security Chip built into devices:
Dedicated unique certification into the chip encrypts all your passwords and data, enabling trusted communication to our portal and apps.

End-to-end encryption:
With the combination of built-in hardware security and end-to-end encryption, we make it extremely harder for any ill-intentioned to access your home.

ABB-Welcome
In ABB-Welcome all the communication from the panels toward the cloud use these technologies

ABB-Welcome IP
In ABB-Welcome IP, we protected all the communications among all the devices and the cloud.
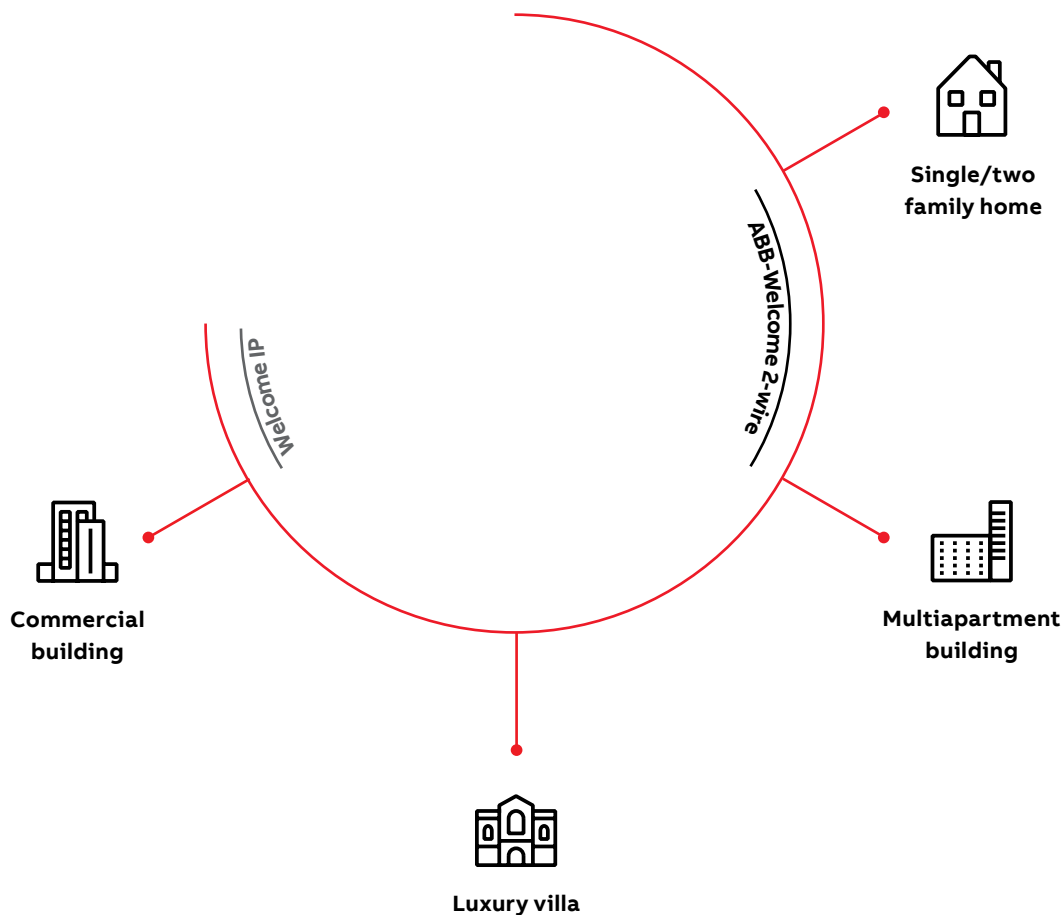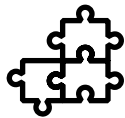
Flexibility
Values & Benefits

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

—

Buildings application

The combination of the 2-wire and IP system makes ABB's proposal wide and varied enough to satisfy every type of residence for every door entry and access control needs.

ABB-Welcome 2-wire

Welcome IP

Single/two family home

Commercial building

**Multiapartment building**

Luxury villa

Modularity

Module design with infinite possibilities. Our customers' requirements vary from the most basic to the complex. With functional modules, ABB-Welcome provides the answer for all these needs. For all types of new construction many combinations of outdoor stations are possible to create the desired solution according to the requirements of the builder, architect, installer and the aesthetic taste of the owner. With this approach the modular outdoor station fits all type of buildings.
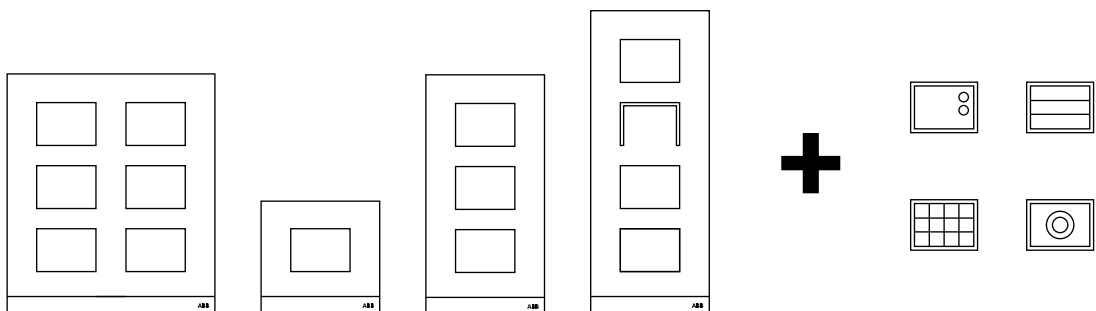
Simplicity
Values & Benefits

The real genius of this highly sophisticated system that can help users to easy set up their own solution. Also the smart UI design that can make users feel ease of use even this is their first time to manipulate the system.
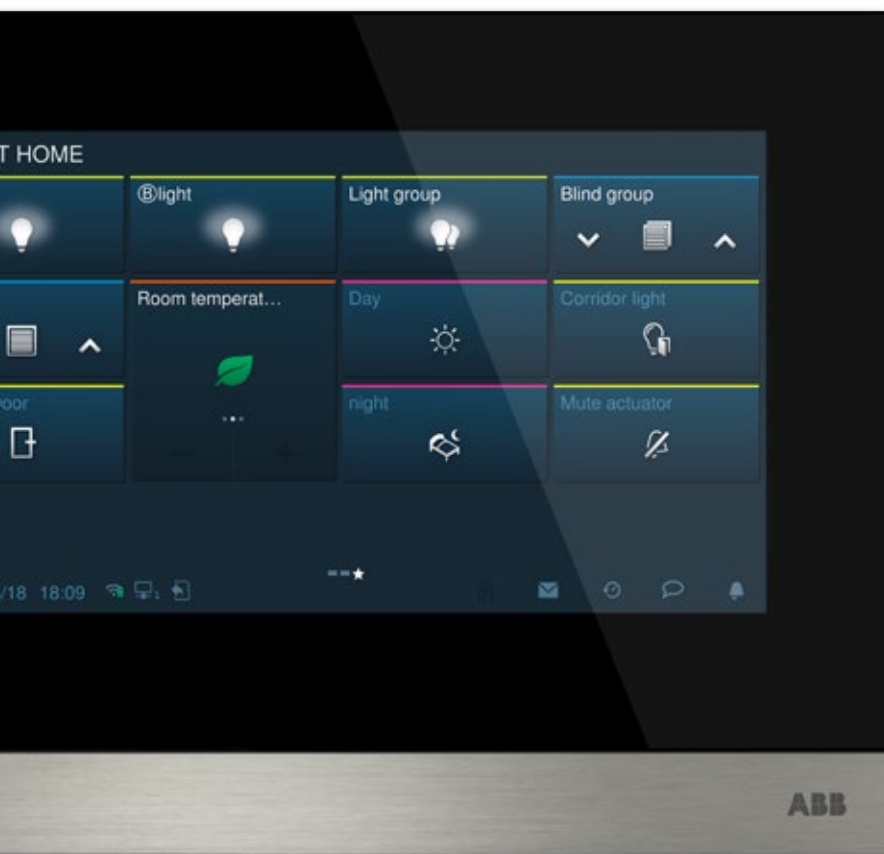
**Installing &
commissioning
simplicity**

Setting up your ABB-Welcome system is very simple: the 2-wire technology allows ease of installation also in case of renovation and even advanced functionalities like WiFi connectivity to the mobile app can be set through just the scaning of a QR code.

Also the IP technology becomes easy: wireless and PoE connection make the system really easy to install. For the commissioning 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!

—
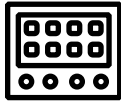
User interface

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

The new interface ensures that comprehensive functions in a room or entire building are centrally visualized, easy and intuitively operated in a comfortable and efficient manner.
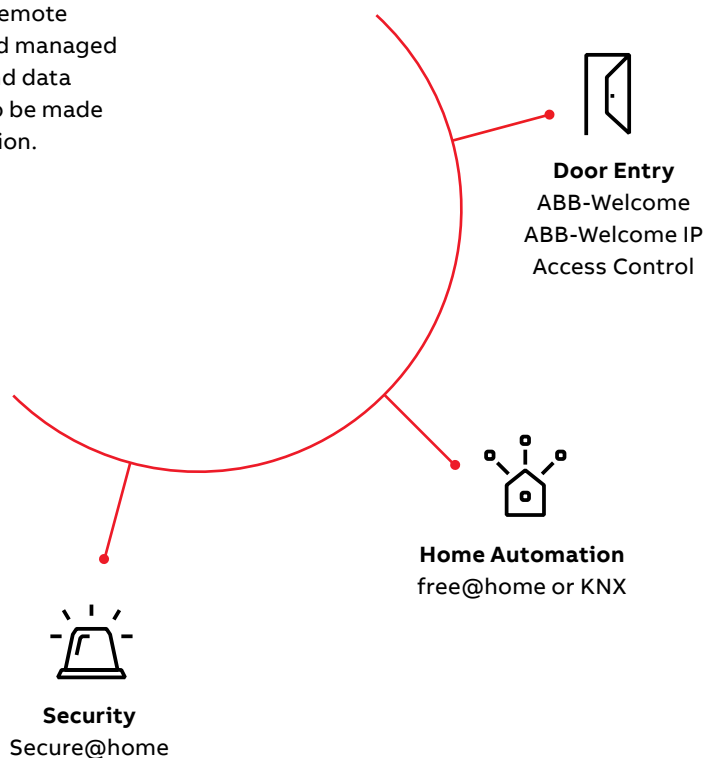
Connectivity
Values & Benefits

No matter where you are, your home is always be connected with your app or smart home ecosystem. Every area of the house can be remotely controlled. This helps users to get access to system from everywhere.

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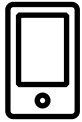
APP

You can answer and open the door remotly via the ABB-Welcome App. 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 panel, 4.3" series WiFi, from all other 2-wire panel with the IP gateway, 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
ABB-Welcome
ABB-Welcome IP
Access Control

Home Automation
free@home or KNX

Security
Secure@home

Smart home ecosystem

Imagine the very best in comfort, security, design and energy efficiency for tomorrow's smart home, today. ABB can bring this to any residential building more easily than ever. All the functions that can be controlled such as blinds, lighting, heating, air-conditioning, door communication, access control and security are designed to make life simpler and smarter. Controlling the heart of the home or answering to your doorbell can be done at the touch of a panel, from the comfort of your armchair or remotely.

Highlights
Values & Benefits

ABB offers a complete range of door entry and access control products to create the most suitable solution for any application.

Keypad series

IP Touch

**Video Indoor Station
4.3, WiFi**

ABB-Welcome IP

ABB-Welcome 2-wire

**Outdoor video station,
touch 5"**

**Video Indoor
Station 7"**

Access Control

Smart Access Point

ABB-SmartTouch® 10"
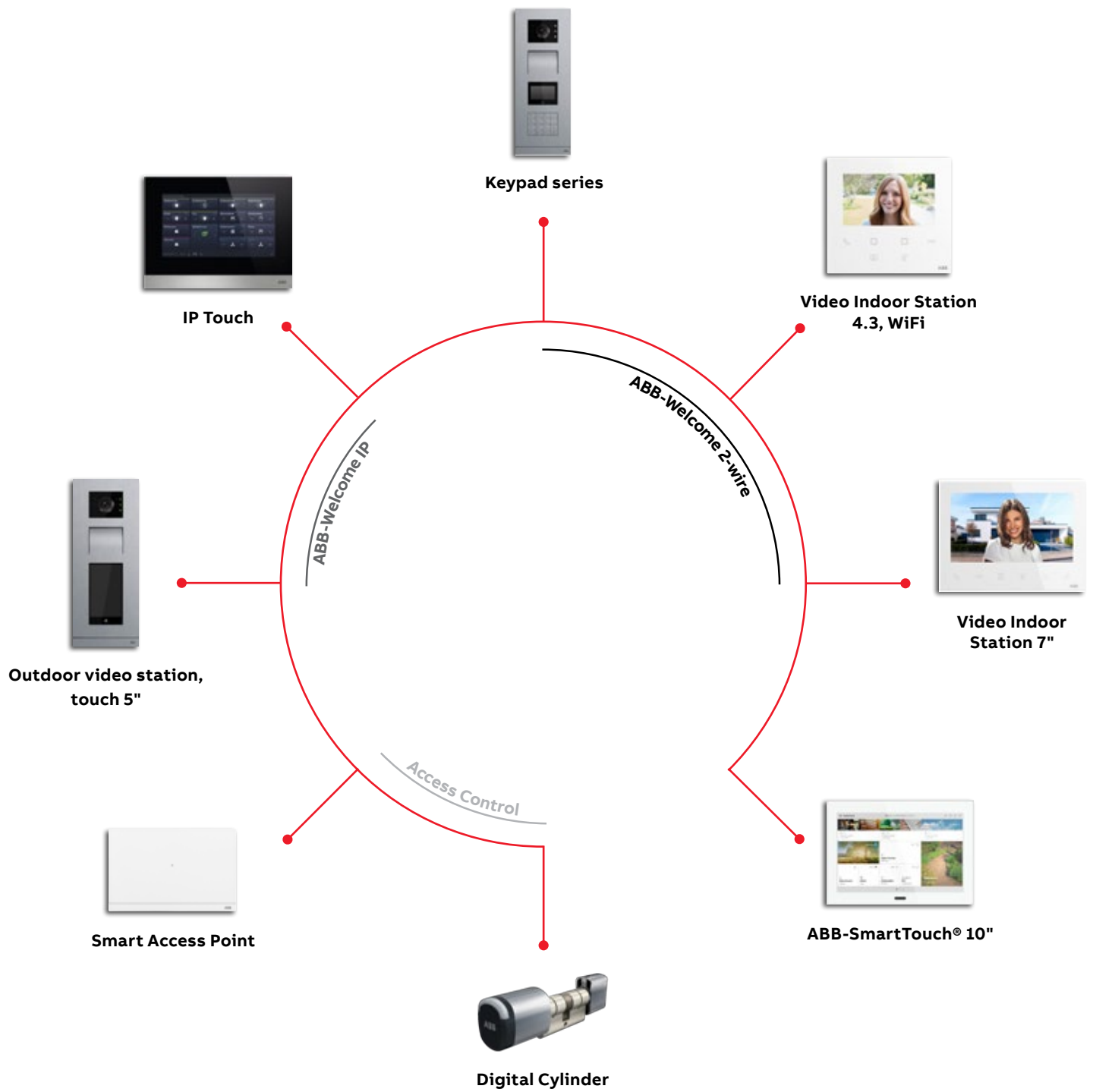
Digital Cylinder

ABB-SmartTouch® 10"
Elegant central control for smart buildings

ABB-SmartTouch® 10" combines smart building automation ABB i-bus® KNX or ABB-free@home®, and ABB-Welcome door communication in one device, providing central monitoring and control of your smart building devices. Choose to interact with the elegantly designed 10" IPS screen with 1280 x 800 resolution or via the ABB-free@home® app to access controls from anywhere in your building.
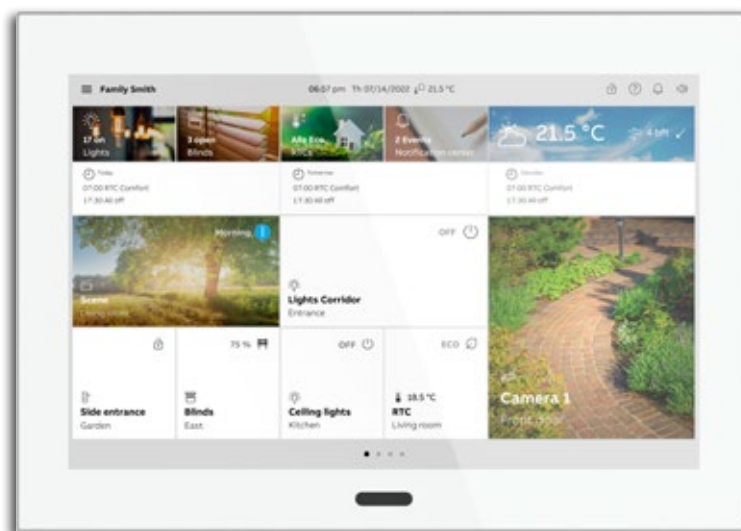
Maximum convenience and security

Ready when you are
Providing up to 450 control elements ABB-SmartTouch® 10" for any extension of your smart building installation.

Stylish new addition to your home
The 14 mm thin design in 4 colors of the ABB-SmartTouch® 10" offers a stylishly attractive appearance, whether installed flush-mounted or surface-mounted.

reddot award
product design 2022

reddot winner 2022
interface design

iF DESIGN AWARD 2022

UX DESIGN AWARDS
nominated 2022

GERMAN INNOVATION AWARD '22 WINNER

ICONIC AWARDS 2022
INNOVATIVE ARCHITECTURE
winner

ABB-Welcome
Video Indoor Station 7"
Welcome 2-wire

With its impressive 7" design, white color and easy operation, the Video Indoor Station 7" is the perfect choice for modern homes. It provides the highest level of security for your network and data while protecting your home and your family's well-being.
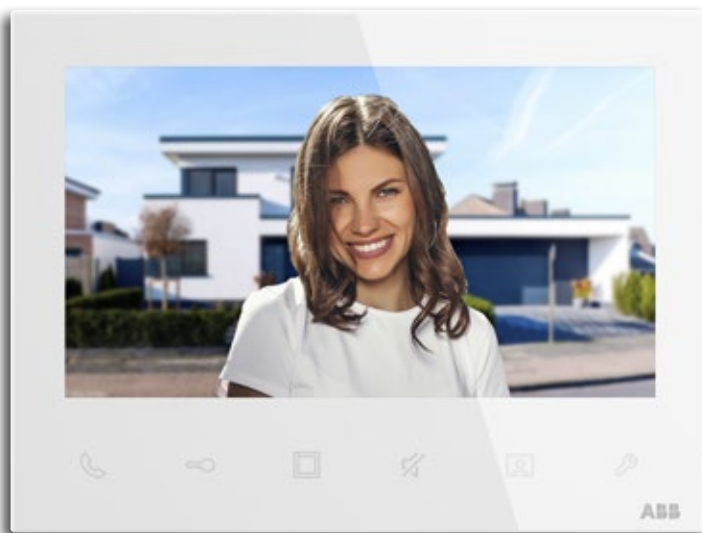
Intuitive and simple to commission

Wide Screen
Simple & intuitive user interface on a 7" screen

Customizable:
Up to 5 virtual buttons for Intercom & programmable buttons

Easy installation
Supports simple & fast Surface mounting installation

Capacity
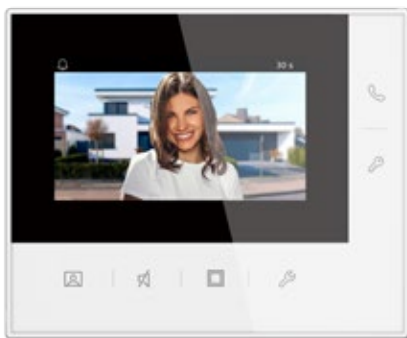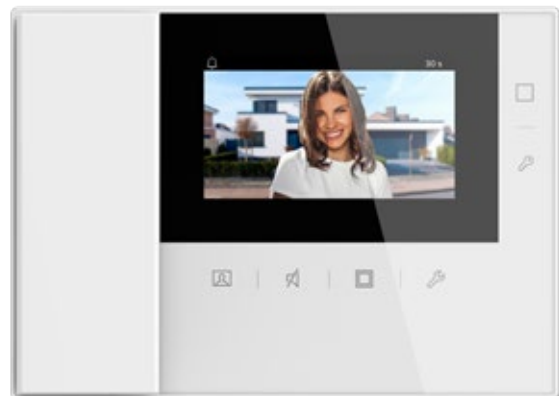Up to ~40 Devices with just one system controller

ABB-Welcome
Video Indoor Station 4.3"
Welcome 2-wire

Meet our latest additions to the ABB-Welcome portfolio, the Video Indoor Station 4.3" and Video Indoor Station 4.3" Handset. These state-of-the-art video intercoms are designed to meet the needs of a variety of residential buildings, from single-family homes to large apartment complexes. Take your door communication to the next level of versatility and convenience with our latest video indoor stations.

—
Video Indoor Station 4.3"

—
Video Indoor Station 4.3" Handset

Crisp Screen
Simple & intuitive user interface on a 4.3" screen

Customizable
Up to 3 virtual buttons for intercom & programmable buttons

Easy installation
Supports simple & fast surface mounting installation

Capacity
Up to ~50 devices with just one system controller

ABB-Welcome
Video Indoor Station 4.3, WiFi
Welcome 2-wire

The video indoor station 4.3 including WiFi connection is the perfect choice for your comfortable living room with its impressive design, white color and easy operation. Thanks to the intuitive design, all functions are just a tap away. It provides the best level of security for your network and data.
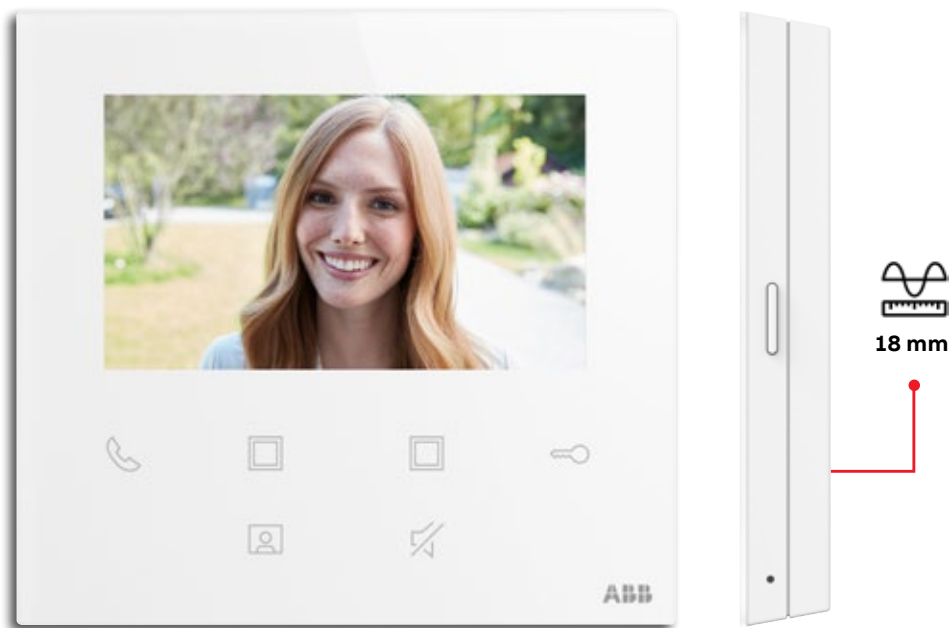
18 mm

APP connection
Getting your door call on up to 8 mobile devices, even remotely "with our myBuilding-Service Portal"

Security
ABB Cyber Security Chip built into devices

Design
Simple & intuitive user interface with a unique thin design (18mm)

Connectivity
Build int Wi-Fi interface to connect easily to your local home network

ABB-Welcome Keypad series
Welcome 2-wire

Video outdoor station for multi apartment application. With the combination of a keypad and a Display with integrated transponder reader. This outdoor station is capable to handle several hundred apartments with small space.

Scalability:
Call all the apartments via the integrated keypad

Display:
Choose the name you want to call from the integrated Display

Access:
Open the door locally by keypad code or by a transponder card (DESFire or IC Card)

Security:
Vandal proof level IK07

Access Control:
Output for Wiegand connection available (26/34 bits)

ABB-Welcome IP Touch 7"/10"
Welcome IP

Via the video indoor station the IP touch panel will display everything that is happening in front of your door, with the possibility of remote control by app. All versions of ABB-Welcome IP are provided with the induction loop funcionality.
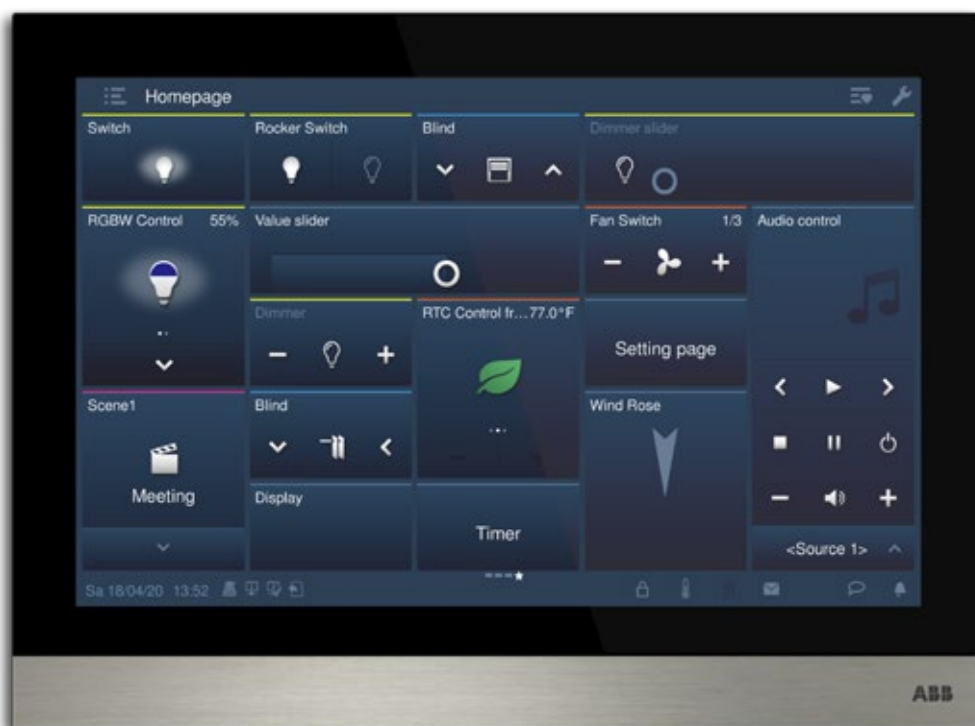
—
IP touch 10

Flexible technology

—
IP touch 7

APP connection
extension to APP without
additional system device

Easy installation
both IP touch 10'' and IP touch
7'' panels can be fush or surface
mounted

Connectivity
LAN + LAN or LAN + Wi-Fi
Interface options

Easy commissioning
by QR code scanning or central
PC management software

Smart home control
the panel can be used as centralized
screen for ABB sub-systems: Door
Entry System, surveillance and home
automaton (KNX & f@h) PoE and local
power supplier for option

IP Touch Lite 7
All essentials in our most affordable IP touch panel

IP Touch Lite 7 is the versatile and easy-to-use solution for IP door entry with an enhanced user experience, for both professionals and end users. The redesigned user interface makes the panel easy to configure for system integrators and installers as well as simplifies the interactions for end users to customize the dashboard to their preferences and pair it to the mobile app for remote call management.
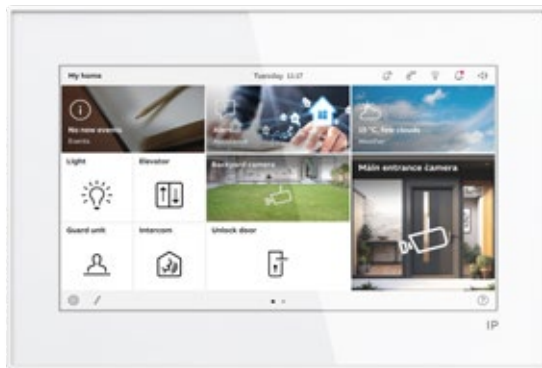
—
IP Touch Lite 7
White

—
IP Touch Lite 7
Black

7" WiFi Touch Panel for door entry system
With state-of-the-art WiFi connectivity, IP Touch Lite 7 is the best panel to answer your door locally and remotely from mobile devices.

Entry level, high quality
IP system includes high-quality video calls, project scalability, and remote software management.

New UI and High Resolution
Enhanced UI design that gives you a fresh feeling and simplified UI interface offers easy step-by-step guide to set up controls on default homepage.

ABB-Welcome
Video Outdoor Station 5'' Touch
Welcome IP

The ABB-Welcome IP outdoor station offers a comfortable and safe method of entering buildings with an integrated, intuitive, operable 5-inch colour touch display.

Electrical connection
Power supply via PoE

Configuration
Remotely editable door entry system information

Display area
Bulletin, message system for the building manager via 5'' screen

Card-reader
RFID-reader with MIFARE® and DESFire® integrated

Touch Screen
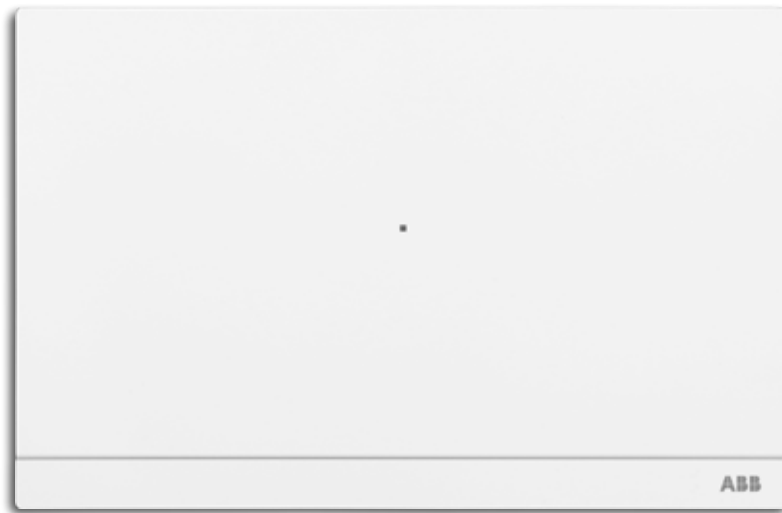Light-strong 5'' touch screen with resolution 480*800 with virtual buttons

—

Smart Access Point
ABB-AccessControl

As a central management device of ABB-Welcome IP and ABB-AccessControl system, Smart Access Point can couple as sub-system, and also manage interworking of multiple sub-system of same type.

Integration
Works with ABB-AccessControl & ABB-Welcome IP

Security
ABB Cyber Security Chip built into our devices

User right management
Can handle and manage up to 2000 Users

Scalability
Up to 600 devices can be managed and maintained

Digital Cylinder
ABB-AccessControl

Access control via digital locking cylinders has long been the system of choice in both private and commercial daily life. ABB-AccessControl ensures easy scalability, even for large-scale projects.

Easy commissioning and remote control
Directly via Web interface and ABB-Welcome App

Highest security standards
Supporting MIFARE® DESFire® EV2 and encrypted wireless communication

Profiles in retrofit design for all major markets
for EU, US, SCAN, SWISS standards

Long battery life cycle
Manual opening from the inside

Our systems
Smarter design of living space

Whether you are moving to a new place, built a new house or undergoing a home renovation. We offer different systems that will help you to make your home more comfortable, valuable and smarter.
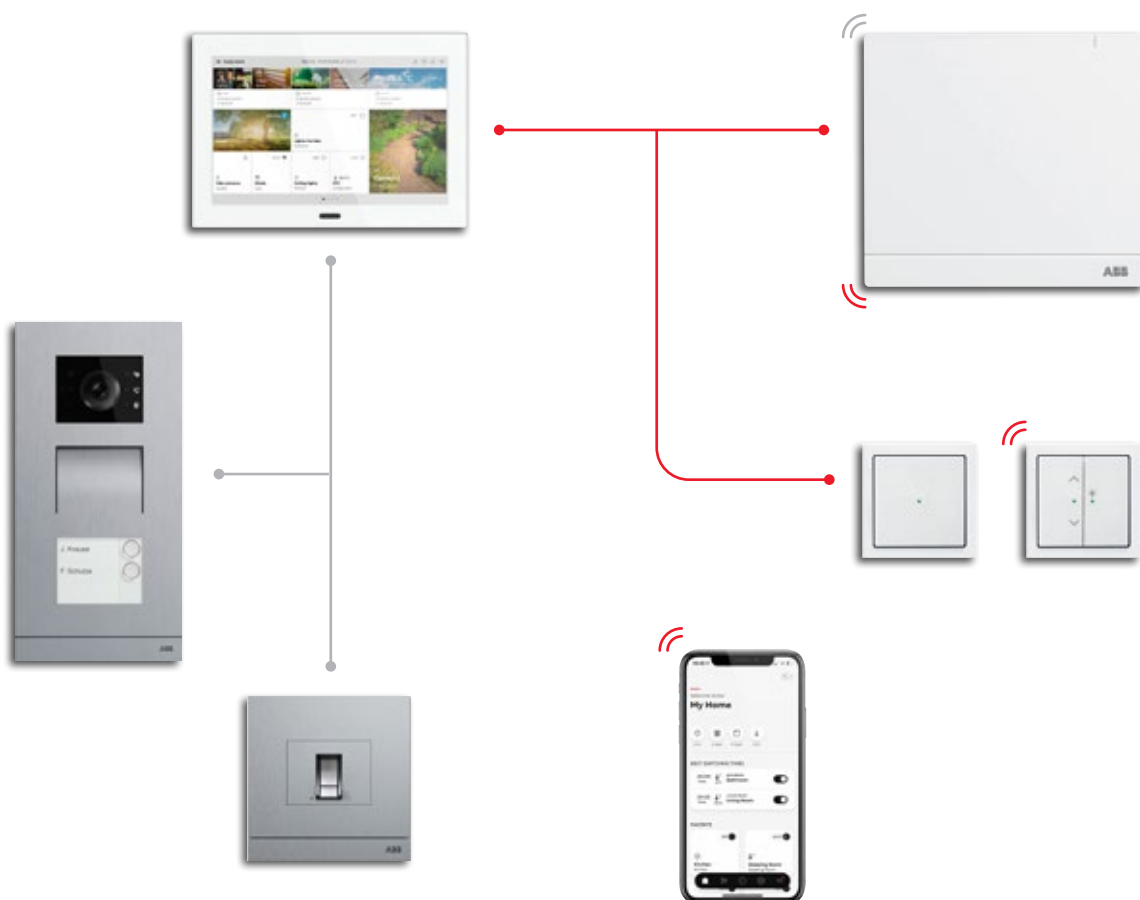

ABB-free@home® is tailored especially to the requirements of smarter residential buildings and is ideally suited both for new buildings and renovation projects, Blinds, lights, heating, air-conditioning or door communication are easy to control and can be regulated to your personal requirements. The functions can be applied both individually and in combination with others. This means that you can determine the type and the number of functions you wish to control intelligently in the future. You also have the option of retrofitting desired functions at a later point in time. The ABB-SmartTouch® 10" shown in the picture can be used to manage the free@home system in combination with Welcome 2-wire.

ABB i-bus® KNX is suitable especially as a solution for new construction in which a high-performance, future-proof and extensible system can be installed. As a global standard, ABB i-bus® KNX is especially flexible: The system offers a constantly growing diversity of modules and can therefore be extended without limits. All functions can also be adapted at a later point in time The IP Touch in the picture manages both the Welcome IP system and the ABB i-bus KNX system.

While our ABB-Welcome door communication system is available as an individual solution, it can also be flexibly combined with ABB-free@home® or ABB i-bus® KNX, thanks to IP Touch for the IP system and SmartTouch panel for the 2-wire one.
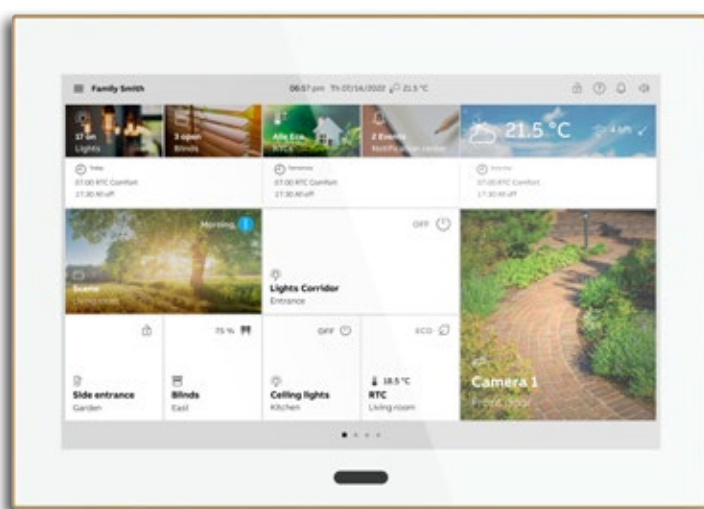

ABB-SmartTouch® 10"

2-wire system

ABB-free@home®
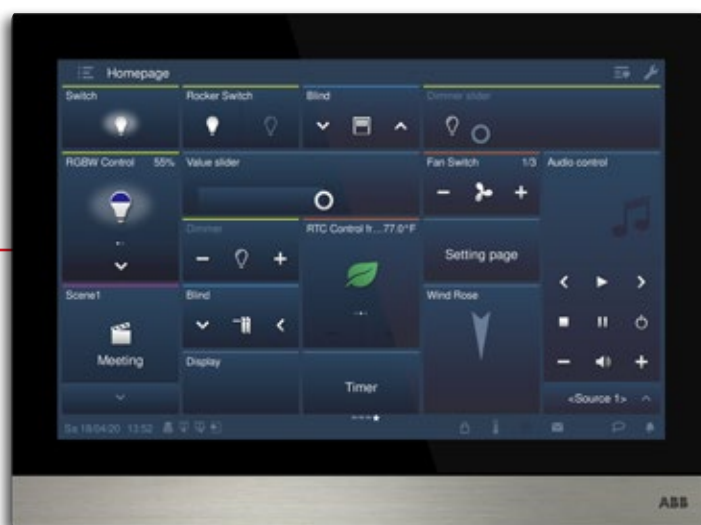
ABB-i-bus® KNX

IP system

ABB-free@home®

**ABB-i-bus® KNX**

IP Touch 10

ABB-Welcome App

The App is available both for iOS and Android. It allows you to use your smart phone or tablet to receive your door entry calls and manage your digital locks locally or remotely. 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.

Via the ABB-Welcome App end-users can:

**Answer door
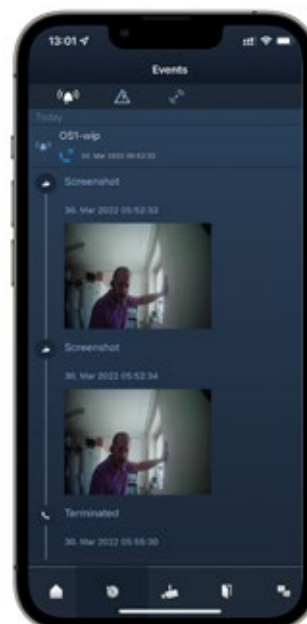calls remotely**
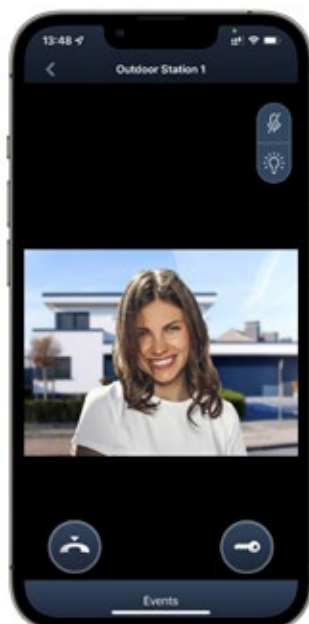
**Generate
access QR codes**

**Access to video
call history**

**Also direct access to end-to-end
customer support**

—

Via the ABB-Welcome App professional installers can:

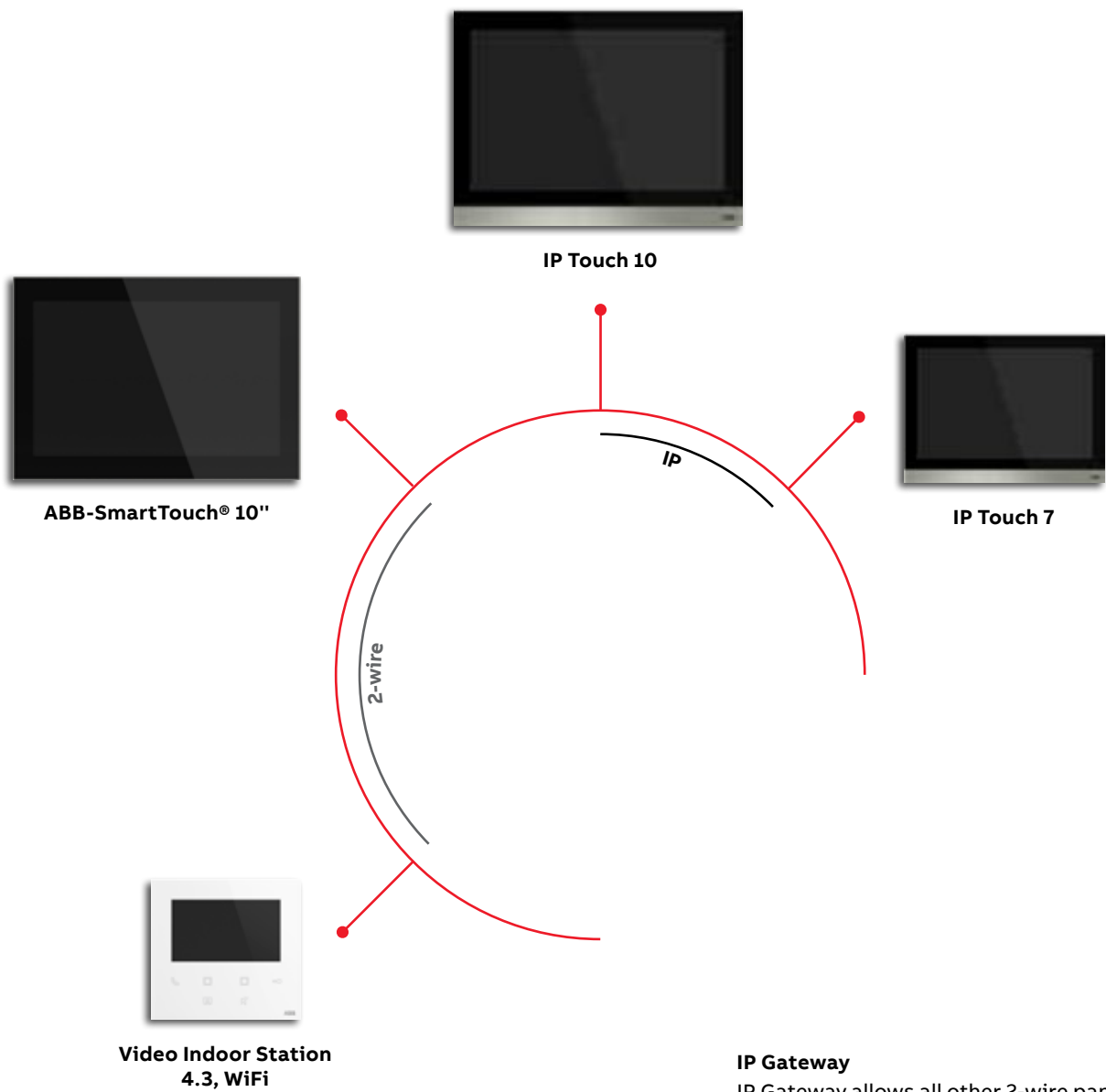**Manage the commissioning and configuration of IP devices**

ABB-Welcome App

The ABB-Welcome App is available for all ABB-Welcome IP
devices and also for 2-wire devices with connectivity.

IP Touch 10

ABB-SmartTouch® 10''

IP

IP Touch 7

2-wire

Video Indoor Station 4.3, WiFi

IP Gateway
IP Gateway allows all other 2-wire panels to be connected to the Welcome App.

MyBuildings Portal
Digital services

Our Digital Services are designed to simplify the set up and management of a smart home installation via any web enabled device. With dedicated support for both professional installers and end-users, we've got you covered.

Our smart solutions are pretty smart out of the box, but to extend control and access your ABB home systems both while at home and remotely in an easy, secure, and comprehensive way you will need to register and create an account on MyBuildings Portal.

The myBuildings portal is your entrance into the world of ABB. From controlling your existing ABB-Welcome installation, ABB-free@home® installation up to planning new installations, third party integrations and a range of security features, the myBuildings Portal offers every tool you need.

Getting started is easy and only takes a few minutes:
1. Go to eu.mybuildings.abb.com
2. Create an account
3. Automatically get the ONE subcription for free
4. Upgrade to PLUS to enjoy all benefits

	ONE	PLUS
Security Features	X	X
Third-party Integration	X	X
Residential Remote Access	1 household and 4 mobile apps (smartphone/tablet)	8 households and 10 mobile apps (smartphone/tablet)
Remote Events History Storage	–	X
	Free subscription	Monthly or Yearly Fee
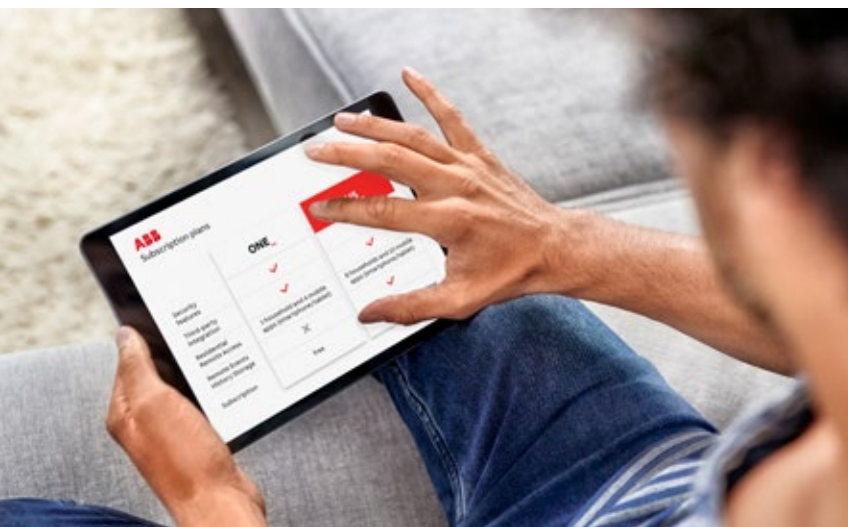
It's the easy, secure and comprehensive way to look after your home with total control at home, remotely and at all times via one simple system backed by ABB protection.

24-hour self-service customer support
Digital services

Leveraging artificial intelligence our unique digital customer support tool is available world-wide 24/7 and is completely free of charge. Accessible via ABB-free@home® Next App and ABB-Welcome App or the ABB website.

Our self-service assistant will help you find an answer to your question
- Easy and quick support through self-service trouble-shooting
- Simple and intuitive step-by-step guides with instructions for set-up and usage
- Support via live chat* or email
- Additional support: If you cannot find a solution, you'll be forwarded to our support team, along with a full history of the things you have tried.
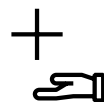
Benefits
- Always accessible with 24-hour support at your fingertips via the app
- Get support quickly with no need for installer intervention, saving you time and money
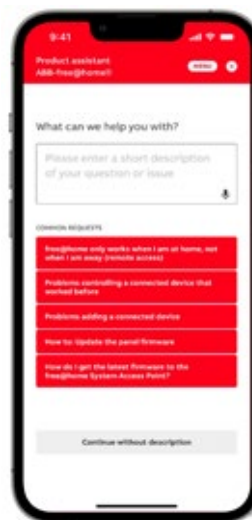- Access to a wealth of Smart Home expert knowledge and support

ABB-free@home Next App

Step by step guides

Self-service and trouble-shooting

Live Chat and Video*

* where available

ProService portal
Professional installers digital services

If you require assistance or maintenance support, this can be done virtually by your installer, without the need of an on-site visit. The ProService portal offers a digital support possibility at any time.

Service and Support virtually for your ABB-free@home® system.
This grants lots of benefits to free@home users:

Remote maintenance
If you require assistance, the installer can access the ABB-free@home® system via the ProService portal to make the adjustments and changes. Also firmware updates can be done virtually.

Full Transparency
The system promotes trust and transparency by giving the home owner complete visibility of any access or work on their system. The log shows the homeowner detailed information what has been changed: person, time and duration as well as any changes to the system – and the owners are able to revoke access rights at any time.

Full control by home owner
The home owner is able to grant access to the installer for a maximum of 24 hours. Secure end-to-end encryption connects the Installer Portal to the customer's System Access Point.

Efficient response
Faster and more efficient response time when you require support from an installer. No travel time is required and no need to schedule an on-site appointment.

—
It's easy for the installer

Registration
Registration to the ProService portal works easily in the MyBuildings portal with the use of your ABB MyBuildings portal access data.

Creating employees
You authorize your employees via an invitation e-mail to use the ProService portal. As the owner of the account you can now see all your registered employees and assign them to individual customers.

Remote maintenance
After the customer has authorized the 24-hour time window for access, the installer can then access the ABB-free@home® system via the ProService portal and make adjustments and changes.

Creating customers
You invite your customers to use the remote maintenance service also via e-mail. You can then support your customers via the ProService portal.

	ONE	PLUS	Individual
Management & Supervision	X	X	X
Cloud Backup	X	X	X
Remote Maintenance	X	X	X
Attachable End Customers	1	< 99	> 99
	Free of charge	Yearly Fee	Individual offer

ABB-Welcome Configurator
The easiest way to plan a door entry system

You save planning time and the documentation is also done without effort. Either save your project on your computer or upload it to the cloud.

Quick planning function
Suitable for simple projects where all floors have the same number of apartments and all apartments have the same equipment. Suitable for simple projects where all floors have the same number of apartments, all apartments have the same equipment and there are only Outdoor Stations at the building level. Then the user can either go to the details by clicking on "Preview and edit" or go directly to the result.

Wiring diagrams & Product documentation
The project documentation contains a circuit diagram, showing the wiring and device settings. Any required system components, such as local or auxiliary power supply and gateways, are added automatically and power consumption requirements are always met. Theoretically, no further knowledge is required, just install the system according to the documentation and it will work.

Planning from scratch
Use this planning mode if all floors and apartments are different. With this tool you can individually equip all units, such as apartments, floors and buildings, as well as plan a multi-level residential complex.

Connection diagrams
no further knowledge is required, just install the system according to the documentation

Connection with myBuildings account
Save your project for 90 days on the portal and contact ABB Sales Support team with a click

ABB-Welcome Configurator

With the ABB-Welcome 2-wire and ABB-Welcome IP systems, numerous combinations are possible to suit the needs of each individual user. Try our online configurator, you can create the application that best suits your and your customers' needs.
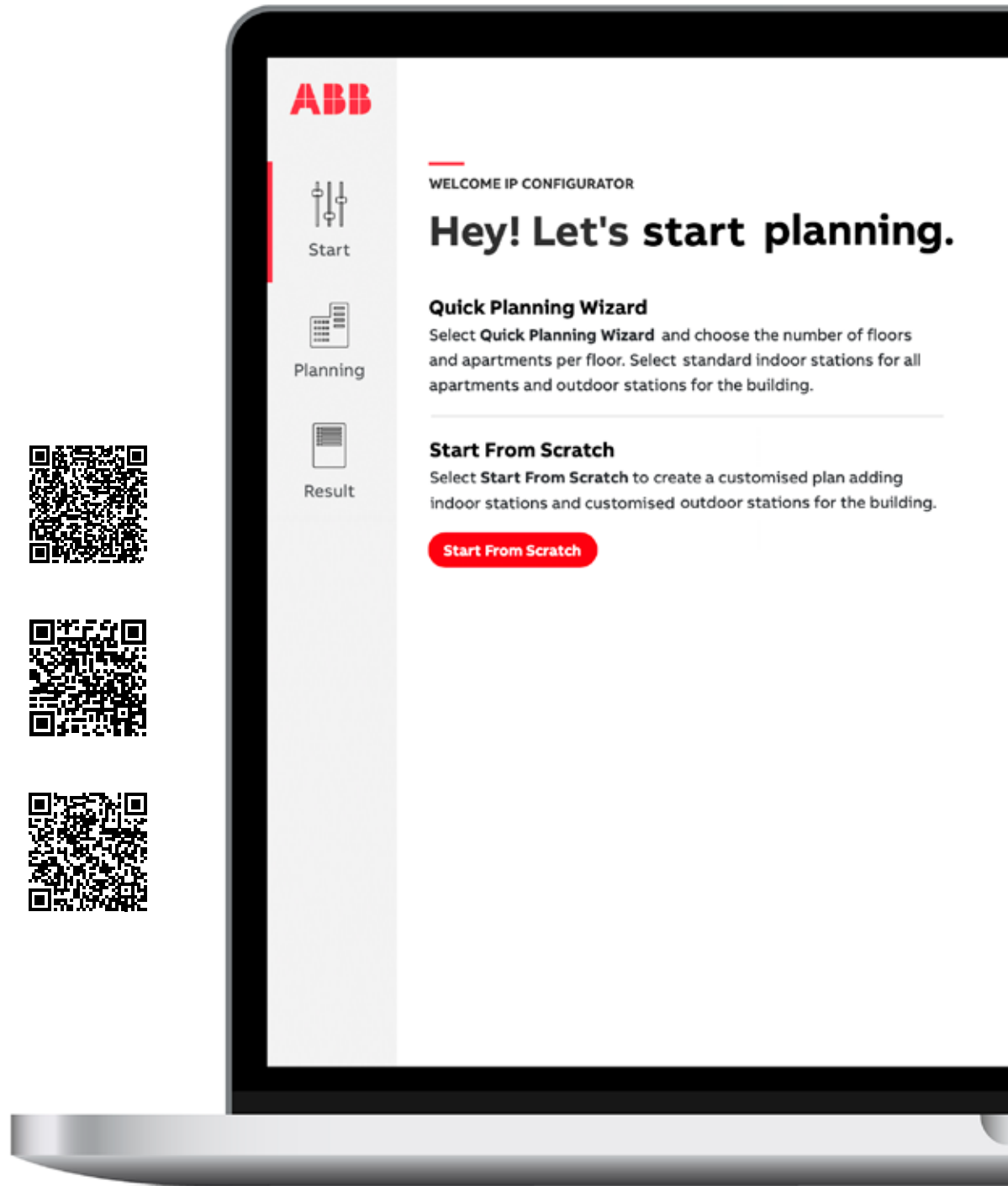
—
Configurator of
Door entry system

—
Link to video
Welcome tutorial

—
Link to video
Welcome IP tutorial

ABB

Start

Planning

Result

WELCOME IP CONFIGURATOR

Hey! Let's start planning.

Quick Planning Wizard
Select **Quick Planning Wizard** and choose the number of floors and apartments per floor. Select standard indoor stations for all apartments and outdoor stations for the building.

Start From Scratch
Select **Start From Scratch** to create a customised plan adding indoor stations and customised outdoor stations for the building.

Start From Scratch

Access all possibilities

		2-wire	IP
Technical Basic Information	Building type	Luxury villa Multiapartment building Single/two family home	Luxury villa Commercial building Multi apartment building
	Apartments per building (up to)	250	2000
	OS per building (up to)	9	64
	Number of buildings	60	No limits
	Total maximum number of Indoor Stations	6000	No limits
	Maximum distance from OS to IS	600 m	No limits
Integrations	Access control integration	Limited to keypad and fingerprint	Yes (including smart locks)
	Cameras integration	Analog	Yes - ONVIF Profile S, H.264
	Smart home system integration	Yes – via dedicated indoor station	●
Remote Management	Remote answer via APP	●	●
	Remote answer via PC		●
	Software automatic update		●
	Commissioning	Simple rotary switches	Via APP or PC

Door entry system

ABB-Welcome - Video outdoor stations - Comparison

	Keypad series	Mini series	Modular audio/video OS
Type	Monoblock	Monoblock	Modular
Recommended application	Multi apartment building	Single/two family home	Flexible all type of buildings
Audio only		●	
Video	550 TV Lines Effective Pixels: 1292 (H) x 968 (V)	600 TV lines Effective pixels: 1297 (H) x 977 (V)	550 TV Lines Effective Pixels: 1292 (H) x 968 (V)
Detection angles	Horizontal: 100 °Vertical: 70° Diagonal: 130°	Horizontal: 111° Vertical: 73° Diagonal: 130°	Horizontal: 100 °Vertical: 70° Diagonal: 130°
Weather protection	IP54	IP54	IP54
Impact protection	IK07	IK07	IK07
User interface	Keypad	Keypad or pushbotton	Keypad
Flush Mounting	●	●	●
Surface Mounting	●	●	●
Maximum number of IS	No limits	2	80
Door opening by transponder	●	●	●
Keypad opening	●	●	●

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2-wire video outdoor station
ABB-Welcome - Outdoor stations

Shared features:
- Type of installation: SM or FM
- IP54: dustproof & watreproof
- IK07: vandal proof

Keypad series

Video outdoor station with A/V module, display module & keypad module. One lock can be directly connected without independent power supply for the lock and additional terminal for second lock is available.
- Anti-fog design with built-in heater for clear images also in wet conditions
- Built-in infrared lighting for clear images at night and hidden surveillance from video indoor station and integrated optic sensor for day/night mode
- LED indicator for real-time status
- Opening of the door by DESFire or IC card. Support to establish the call by enter room number or by searching name through display and support to open the door by entering correct password through keypad module
- Easy to set default lock by one dip-switch
- Lock release time and speaker volume are adjustable
- Enable/disable outdoor station's acoustic feedback when pressing button
- Support local power supply (20-30 V DC)
- Support to release the default lock by pressing local exit button
- Wiegand output available, support 26 bits (default) and 34 bits
- Dimensions: 349 x 135 x 29 mm / 13.7 x 5.3 x 1.1 inch

Version	Aluminum, with ID card	Aluminum, with IC card
Article no.	M21381K-A	M21382K-A
Order no.	2TMA210010A0051	2TMA210010A0053

Mini series

Outdoor station-aluminum, up to 2 lock connections.
- Compact size
- Integrated status display
- Light switch or calling guard programmable for the 2nd button
- Dimensions (SM): 168 x 99 x 26,5 mm / 6.6 x 3.9 x 1 inch
- Dimensions (FM): 180 x 105 x 43 mm / 7 x 4.1 x 1.7 inch

		Article no.	Order no.	EU (excluding DACH)	USA, other (excluding CN)
1 button	ID card reader - SM	M21312P1-A	2TMA070010A0018		●
		M21312P1-A-02	2TMA210010A0032	●	
	ID card reader - FM	M21362P1-A	2TMA210010A0039		●
		M21362P1-A-02	2TMA210010A0041	●	
	No ID card reader - SM	M21311P1-A	2TMA070010A0016		●
		M21311P1-A-02	2TMA210010A0030	●	
2 buttons	ID card reader - SM	M21312P2-A	2TMA070010A0019		●
		M21312P2-A-02	2TMA210010A0033	●	
	ID card reader - FM	M21362P2-A	2TMA210010A0040		●
		M21362P2-A-02	2TMA210010A0042	●	
	No ID card reader - SM	M21311P2-A	2TMA070010A0017		●
		M21311P2-A-02	2TMA210010A0031	●	
With FM version is optional the Pre-installation box					
Dimensions: 6.8 x 3.8 x 1.8 inch		41361F	2TMA110010N0001		●
Dimensions: 174 x 98 x 45 mm		41361F-02	2TMA210160B0006	●	

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Standalone

ABB-Welcome - Outdoor stations

Standalone outdor station:
Standalone access control outdoor station.
These can be use with Welcome 2-wire.

Common technical details:
- Dimensions: 139 x 135 x 29 mm / 5.5 x 5.3 x 1.1 inch
- Type of installation: SM or FM
- Rating current: 24 V DC, 25 mA
- Operating temperature: -40 °C...+55 °C
- Dustproof and watreproof: IP54
- Vandal proof: IK07
- Single-wire/fine-wire clamps: 2 x 0.28 mm²...2 x 0.75 mm²
- Connects to ABB-Welcome door communication by 2-wire cable

Standalone keypad module:
- Enables the opening of the door using a numerical code
- 1800 passwords can be taught in
- Enable control switch actuator with lights connected
- Standalone operation together with system controller (power supply) and switch actuator (security connection for the electrical door opener or light)
- Programming directly on the module
- Mounting tool is enclosed

Version	Stainless steel ■
Article no.	M2700KP-S
Order no.	2TMA200160X0005

Standalone transponder module:
- Enables the opening of the door using a key card
- 1800 users can be taught in
- Standalone operation together with system controller (power supply) and switch actuator (security connection for the electrical door opener)
- Programming directly on the module or using PC management software (requires 2-wire adaptor M2308)
- Mounting tool is enclosed

Version	Stainless steel ■
Article no.	M2700TP-S
Order no.	2TMA200010X0001

Standalone keypad module:
- Enables the opening of the door using a fingerprint scanner
- 64 users can be taught in
- Standalone operation together with system controller (power supply) and switch actuator (security connection for the electrical door opener)
- Programming directly on the module or using PC management software (requires 2-wire adaptor M2308)
- Mounting tool is enclosed

Version	Stainless steel ■
Article no.	M2700FP-S
Order no.	2TMA200160X0007

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Door entry system

ABB-Welcome IP - Video outdoor stations - Comparison

	Video OS touch 5"	Video Keypad OS	Video pushbutton OS	Mini OS	Modular video OS
Type	Monoblock	Monoblock	Monoblock	Monoblock	Modular
Recommended application	Commercial building / Multi apartment building / Luxury villa	Commercial building / Multi apartment building / Single/two family home	Luxury villa / Single/two family home	Multi apartment building * / Single/two family home	Flexible all type of buildings
Video	HD 720p	HD 720p	HD 720p	SD 480p	HD 720p
Detection angles	Horizontal: 111° Vertical: 73° Diagonal: 130°	Horizontal: 111° Vertical: 73° Diagonal: 130°	Horizontal: 111° Vertical: 73° Diagonal: 130°	Horizontal: 86° Vertical: 73° Diagonal: 104°	Horizontal: 111° Vertical: 73° Diagonal: 130°
Weather protection	IP54	IP54	IP54	IP54	IP54
Impact protection	IK07	IK07	IK07	IK07	IK07
User interface	Touch	Keypad or pushbotton	Pushbutton	Pushbutton	Pushbutton
Flush Mounting	●	●	●	●	●
Surface Mounting	●	●	●	●	●
Maximum number of IS	No limits	No limits	3	2	80
Door opening by transponder	●	●	●	●	●
Keypad opening	●	●	●		
Speech synthesiser	●	●	●	●	●

* Used as apartment outdoor station in combination with the main building outdoor stations.

IP video outdoor station

ABB-Welcome IP - Video outdoor stations

Shared features:
- Type of installation: SM or FM
- IP54: dustproof & waterproof
- IK07: vandal proof
- Super anti-fog coating and built-in heater
- LED indicator for real-time status
- Integrated RFID Reader (MIFARE® DESFire® EV1 & EV2) for door opening

Touch 5" series

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.
- Intuitive operable touchscreen & virtual keypad integrated
- Advertising or Developer promotion display area
- Name list / logo / physical address / logical address calling type
- Wiegand output available
- HD video streaming (720p) with 130-degree angle
- Dimensions: 349 x 135 x 29 mm / 13.7 x 5.3 x 1.1 inch

Version	Brushed stainless steel ■	White ▢
Article no.	H81381T-S	H81381T-W
Order no.	2TMA130010X0009	2TMA130010W0013

Pushbutton series

Video outdoor station with transponder and pushbutton(s) serves as end device for the communication with IP touch panel, guard unit or property management.
- 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 nighttime
- HD video streaming (720P) with 130-degree angle
- Dimensions (SM): 277 x 135 x 29 mm / 11 x 5.3 x 1.1 inch

Version	Brushed stainless steel ■	1 pushbutton	2 pushbuttons	3 pushbuttons
Article no.		H81381P1-S	H81381P2-S	H81381P3-S
Order no.		2TMA130010X0001	2TMA130010X0002	2TMA130010X0003
Version	White ▢	1 pushbutton	2 pushbuttons	3 pushbuttons
Article no.		H81381P1-W	H81381P2-W	H81381P3-W
Order no.		2TMA130010W0021	2TMA130010W0025	2TMA130010W0029

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IP video outdoor station
ABB-Welcome IP - Video outdoor stations

Keypad series

Video outdoor station with display, transponder and keypad serves as end device for the communication with IP touch panel, guard unit or property management.
- Physical address / logical address calling type
- Wiegand output available
- HD video streaming (720P) with 130-degree angle
- Dimensions: 349 x 135 x 29 mm / 13.7 x 5.3 x 1.1 inch

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

Mini series

Aluminum alloy, up to 2 locks connections.
- Compact size
- Integrated status display and optionally ID card reader
- Light switch or calling guard programmable for the 2nd button
- Camera resolution: 640 x 480 px
- Dimensions (SM): 168 x 99 x 26,5 mm / 6.6 x 3.9 x 1 inch
- Dimensions (FM): 180 x 105 x 43 mm / 7 x 4.1 x 1.7 inch

Version	SM	1 pushbutton, with ID	2 pushbuttons, with ID	-
Article no.		H81313P1-A	H81313P2-A	-
Order no.		2TMA130010A0001	2TMA130010A0004	
Version	FM	1 pushbutton, with ID	2 pushbuttons, with ID	1 pushbuttons without ID
Article no.		H81363P1-A	H81363P2-A	H81364P1-A
Order no.		2TMA130010A0007	2TMA130010A00010	2TMA130010A0013

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Create your own outdoor station
According to your needs and wishes

Flush-mounted solution (FM)

Pre- installation box	FM box	Moduls	Frame	FM Rain Hood
(optional)	③	②	①	(optional)

Surface-mounted first generation (SM)

FM box	Moduls	Frame	Weather Cover
③	②	①	

Surface-mounted second generation (SM)

SM box	Moduls	Frame	SM Rain Hood
③	②	①	(optional)

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Audio-video modules
Installation details for first & second generations

First generation audio-video modules	Flush-Mounted	Surface-Mounted	LOCK-GND	NO-NC-COM
Camera Module	●	+Weather Cover		
Audio Module	●	+Weather Cover	●	●
Audio Module (1 button)	●	+Weather Cover	●	●
Audio Module (2 buttons)	●	+Weather Cover	●	●

Second generation audio-video modules	Flush-Mounted	Surface-Mounted	LOCK-GND	NO-NC-COM
Audio/Video Module 130	●	●	●	●
Audio Module 2nd gener.	●	●	●	

—
2-wire modules
ABB-Welcome - Outdoor station modules

2-wire modules:
These modules can be used with Welcome 2- wire.

Audio modules - 1st generation (primary module)
The primary module establishes communication with the system control center by a 2-wire connection. Each outdoor station always requires one primary module.
- 3 LED indicators for operation status indications: call established / system busy, communication possible and door unlocked
- One lock can be directly connected without independent power supply for the lock
- Addictional terminal for second lock is available
- Lock release time and speaker volume are adjustable
- On button versions: different mode setting is possible such as 1 call or 2 calls in one row, call guard or switching light for the first or second button.
- Integrated optica sensor for day / night mode
- Dimensions: 97 x 72 x 38 mm / 3.8 x 2.8 x 1.5 inch
- Type of installation: SM (only with new weather covers) or FM

Version	No button	1 button	2 buttons
Article no.	M251021A-A	M251022A-A	M251023A-A
Order no.	2TMA070150A0002	2TMA070150A0003	2TMA070150A0004

Camera modules - 1st generation
- Video color camera with large detection angle (H 86°, V 67°, D 104°) and manually mechanical adjustment (H ± 15° ,V ± 15°), built-in infrared lighting ensures clear picture and comfortable to eyes at night and hidden surveillance from video indoor station
- Optional to connect one additional analog camera for surveillance inside the video indoor station
- Dimensions: 97 x 72 x 41 mm / 3.8 x 2.8 x 1.6 inch
- Type of installation: SM (with weather covers 4102.WC-A) or FM

	Article no.	Order no.	EU (excluding DACH)	USA, other (excluding CN)
	M251021C	2TMA070150N0038		●
	M251021C-02	2TMA210010N0001	●	

Fingerprint module
Fingerprint module is one access control module of video/audio outdoor station
- Enables the opening of the door using a finger scanner
- 64 users can be taught in
- Programming directly on the module or using PC management software (requires 2-wire adaptor M2308)
- Rating current: 24 V DC, 40 mA
- Dimensions: 97 x 72 x 28 mm / 3.8 x 2.8 x 1.1 Inch
- Type of installation: SM or FM
- Operating temperature: -40 °C...+55 °C

Version	White ◻	Stainless steel ◼	Aluminum ◼
Article no.	51381FP-W	51381FP-S	51381FP-A
Order no.	2TMA200160W0004	2TMA200160X0003	2TMA200160A0025

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2-wire modules
ABB-Welcome - Outdoor station modules

2-wire primary modules
The primary module establishes communication with the system control center by a 2-wire connection. Each outdoor station always requires one primary module.

Common technical details:
- LED indicators for operation status indications: call established / system busy, communication possible and door unlocked
- Support to release the lock by pressing local exit button
- Operating temperature: -40 °C...+55 °C
- Single-wire/fine-wire clamps: 2 x 0.28 mm^2...2 x 0.75 mm^2
- Connects to ABB-Welcome door communication by 2-wire cable

Audio module - 2nd generation
Audio module is compulsory for audio outdoor station composition
- Enable/disable outdoor station's acoustic feedback when pressing button
- Manage the working mode and functionality of pushbutton outdoor station
- Operating current: 24 V DC, 120 mA
- Standby current: 24 V DC, 8 mA
- Dimensions: 97 x 72 x 28 mm / 3.8 x 2.8 x 1.1 Inch
- Type of installation: SM or FM

Article no.	M251381A-A
Order no.	2TMA200160A0001

Audio/video module - 2nd generation
Audio/video module is the heart of video outdoor station
- Built-in infrared lighting ensures clear picture and comfortable to eyes at night and hidden surveillance from video indoor station.
- Anti-fog design with built-in heater ensures clear image even in wet conditions.
- One lock can be directly connected without independent power supply for the lock.
- Additional terminal for second lock is available.
- Easy to set default lock by one dip-switch
- Lock release time and speaker volume are adjustable.
- Integrated optic sensor for day / night mode.
- Enable/disable outdoor station's acoustic feedback when pressing button
- Manage the working mode and functionality of pushbutton outdoor station
- Induction loop functionality is possible on Article M251382M when assembeing with stainless steel frame
- Dimensions: 143 x 72 x 28 mm / 5.6 x 2.8 x 1.1 inch
- Operating current: 24 V DC, 200-230 mA
- Standby current: 24 V DC, 60 mA
- Image sensor: CMOS sensor 1/3.2"
- Resolution: 550 TV lines, effective pixels 1297 (H) x 977 (V)
- Detection angle: H 100°, V 70°, D 130°
- Camera Standard :PAL/NTSC
- Floating output for door opener (COM -NC - NO): 30 V AC/DC, 1 A

Version	Standard	T-loop with speech synthesis
Article no.	M251381M	M251382M
Order no.	2TMA200160N0043	2TMA200160N0044

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IP modules
ABB-Welcome - Outdoor station modules

IP modules:
These modules can be used only with Welcome-IP.

Common technical details:
- Dimensions: 143 x 96 x 23 mm/ 5.6 x 3.8 x 0.9 inch
- Type of installation: SM or FM

A/V module with 720P camera, Lan cable
Audio & video modules as the heart of outdoor station
- HD video streaming (720P) with 130 degree angle
- Super anti-fog coating and in-built heater
- LED indicater for real-time status
- Suitable for the disabled

Article no.	H851381M-S
Order no.	2TMA130160B0081

Big display module
Integrated with transponder and keypad serves as big touch screen fro daily operation for residential owners and visitors
- Intuitive operable touchscreen & Virtual keypad integrated
- Advertising or Developer promotion display area
- Name list / logo / physical address / logical address calling type
- Opeing of the door by DESFire or NFC or IC card

Version	5 inch & IC/DESfire
Article no.	H851381DP
Order no.	2TMA130160B0082

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Standard modules
ABB-Welcome/ABB-Welcome IP - Outdoor station modules

Functional modules:
These modules can be used with both Welcome 2- wire and Welcome-IP.

Common technical details:
- Dimensions: 97 x 72 x 25 mm/ 3.8 x 2.8 x 1 inch
- Type of installation: SM or FM
- Operating temperature: -40 °C...+55 °C

Round pushbutton
1/2/3 pushbutton for visitor to press for calling
- 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 NFC or IC card
- Rating current: 24 V DC, 10 mA/ for NFC version 24 V DC, 40 mA

Version	1 button	2 buttons	3 buttons
Article no.	51381RP1	51381RP2	51381RP3
Order no.	2TMA130160N0003	2TMA130160N0004	2TMA130160N0005
Version	1 button with NFC/IC	2 buttons with NFC/IC	3 buttons with NFC/IC
Article no.	51382RP1	51382RP2	51382RP3
Order no.	2TMA130160N0006	2TMA130160N0007	2TMA130160N0008

Round pushbutton
3/6 or 4/8 pushbutton for visitor to press for calling
- Pushbutton could be programmed as one column or double columns
- Bright back-lit ensures clear nameplate at night time
- Rating current: 24 V DC, 8 mA

Version	3 bar buttons	4 bar buttons
Article no.	51381SP3	51381SP4
Order no.	2TMA130160N0001	2TMA130160N0002

Keypad with 1abc input
Digital inputing module for keyoad outdoor station
- Enable the opening of the door using a numerical code
- 3,000 customized passwords can be taught in
- Backlight automatically on for visibility at night
- Call guard unit is available
- Rating current: 24 V DC, 20 mA

Version	White ▫	Stainless steel ◼	Aluminum ◼
Article no.	51381K-W	51381K-S	51381K-A
Order no.	2TMA130010W0014	2TMA130160X0001	2TMA210160A0009

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Standard modules

ABB-Welcome/ABB-Welcome IP - Outdoor station modules

Display
The display module ensures that the personalised message, code and number can be read
- Physical address / logical address calling type
- Up to 5000 pcs cards can be registrered
- Opening of the door by DESFire or NFC or IC card
- Wiegand output available
- Rating current: 24 V DC, 160 mA

Version	ID Card	IC/DES fire card
Article no.	51381CR	51382CR
Order no.	2TMA130160N0010	2TMA130160N0009
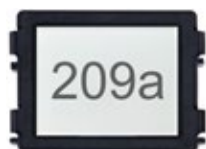
Info module
Info module is used to hold the address of the building or the resident directory
and assembled in outdoor station
- Stamped labelling foil is enclosed
- Backlight ensures clear visibility at night
- Rating current: 24 V DC, 8 mA

Article no.	51381DN
Order no.	2TMA200160N0039

Dummy module
Dummy module is one blank module, support to put 3rd-party module inside, also support
to future function module replacement
- Maximum space inside 54.5 x 9.4 x 74 mm / 21.5 x 0.37 x 2.9 inch

Article no.	51381DM
Order no.	2TMA200160N0040

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Letter box modules

ABB-Welcome - Alternative modules

Letter box modules:
For the integration into letter boxes and bell systems of different manufacturers.

Camera module
- The cutout must be created by the manufacturer
- Extended audio module assembly with video function
- Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots
- Installed heating to keep the lens free of condensation
- Vertical/horizontal detection angle: 86°/67°
- Setting angle horizontal/vertical: +/-15°, mechanically adjustable
- Dimensions: 126 x 68 x 31 mm / 5 x 2.7 x 1.2 inch

Article no.	83501-101-500-01
Order no.	2TMA070150N0043

Audio integration unit
- Makes audio communication possible with also adjustable volume
- Built-in relay for operating the door opener
- 8 inputs for connecting the doorbell push-switches
- With interface for the connection of built-in keypad extensions and of the camera module
- Dimensions: 68 x 126 x 31 mm / 2.7 x 5 x 1.2 inch

Version	EU	Non EU
Article no.	83110-500-01	83110-500-02
Order no.	2TMA070150N0042	2TMA210010N0037

Extension unit
- Extends the built/in audio module assembly by a further 12 binary inputs
- The built-in audio module can be extended to a maximum of 99 inputs for doorbell push-switches with the aid of the built-in keypad extension
- With interface for the connection of built-in keypad extensions
- Dimensions: 68 x 50 x 24 mm / 2.7 x 2 x 0.9 inch

Version	EU	Non EU
Article no.	83111-500-02	83111-500-01
Order no.	2TMA210010N0038	2TMA070120N0027

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Door entry system

ABB-Welcome/ABB-Welcome IP - Frames and installation material

2 types of outdoor station frame:

Audio outdoor station frame
Suitable for audio/video modules of 1st generation

Video outdoor station frame
Suitable for audio/video modules of 2nd generation

Columns	Modules	Type of frame		Color		Article no	Order no.	Dimensions
1	1	Audio		Aluminum ■		41391CF-A	2TMA220160A0003	119 x 135 x 20 mm 4.6 x 5.3 x 0.8 inch
1	2	Audio		Aluminum ■		41392CF-A	2TMA200160A0011	205 x 135 x 20 mm 8.1 x 5.3 x 0.8 inch
		Audio		Anthracite ■		41392CF-B	2TMA220161B1001	
1	3	Audio	●	Stainless steel ▨		41393CF-S	2TMA130160X0060	277 x 135 x 20 mm 10.9 x 5.3 x 0.8 inch
		Audio	●	Aluminum ■		41393CF-A	2TMA200160A0013	
		Audio		Anthracite ■		41393CF-B	2TMA220161B1002	
		Video		White ▢		41383CF-W	2TMA130160W0002	
		Video		Stainless steel ▨		41383CF-S	2TMA130160X0004	
		Video		Aluminum ■		41383CF-A	2TMA200160A0003	
		Video		Anthracite ■		41383CF-B	2TMA220161B1004	
1	4	Audio	●	Stainless steel ▨		41394CF-S	2TMA130160X0064	349 x 135 x 20 mm 13.7 x 5.3 x 0.8 inch
		Audio	●	Aluminum ■		41394CF-A	2TMA200160A0015	
		Audio		Anthracite ■		41394CF-B	2TMA220161B1003	
		Video		White ▢		41384CF-W	2TMA130160W0003	
		Video		Stainless steel ▨		41384CF-S	2TMA130160X0005	
		Video		Aluminum ■		41384CF-A	2TMA200160A0005	
		Video		Anthracite ■		41384CF-B	2TMA220161B1005	
1	5	Audio		Aluminum ■		41395CF-A	2TMA200160A0017	421 x 135 x 20 mm 16.6 x 5.3 x 0.8 inch
		Video		White ▢		41385CF-W	2TMA130160W0004	
		Video		Stainless steel ▨		41385CF-S	2TMA130160X0006	
		Video		Aluminum ■		41385CF-A	2TMA200160A0007	
		Video		Anthracite ■		41385CF-B	2TMA220161B1006	
2	6	Video		Stainless steel ▨		41386CF-S	2TMA130160X0007	277 x 235 x 20 mm 10.9 x 9.2 x 0.8 inch
		Video		Aluminum ■		41386CF-A	2TMA200160A0009	
2	8	Audio		Aluminum ■		41398CF-A	2TMA220161A0008	349 x 235 x 20 mm 13.7 x 9.2 x 0.8 inch
		Video		Aluminum ■		41388CF-A	2TMA220161A0010	
2	10	Audio		Aluminum ■		413910CF-A	2TMA220161A0009	421 x 235 x 20 mm 16.6 x 9.2 x 0.8 inch
		Video		Aluminum ■		413810CF-A	2TMA220161A0011	

● It is possible to combine the frame of the same size for a multi-column installation to support more modules.

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Mounting boxes

ABB-Welcome/ABB-Welcome IP - Installation material

3 types of boxes:
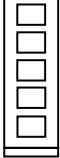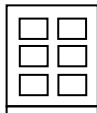
Surface-mounted box
for mounting of outdoor station on the wall.

Flush-mounted box
for mounting of outdoor station into the wall.
This box is fitted with knock down holes for
cabling from left, right, or back.

Pre-installation box
for flush-mounting of outdoor station into
the wall for higher stability.

Frame size	Type of installation	Color		Article no.	Order no.
	Surface-mounted	Anthracite	■	41381S-B	2TMA130160B0009
	Surface-mounted	Grey	▧	41381S-H	2TMA130160H0009
	Flush-mounted	Anthracite	■	41381F-B	2TMA130160B0001
	Flush-mounted	Grey	▧	41381F-H	2TMA130160H0001
	Pre-installation box	Anthracite	■	41381PB	2TMA130160B0017
	Surface-mounted	Anthracite	■	41382S-B	2TMA130160B0010
	Surface-mounted	Grey	▧	41382S-H	2TMA130160H0010
	Flush-mounted	Anthracite	■	41382F-B	2TMA130160B0002
	Flush-mounted	Grey	▧	41382F-H	2TMA130160H0002
	Pre-installation box	Anthracite	■	41382PB	2TMA130160B0018
	Surface-mounted	Anthracite	■	41383S-B	2TMA130160B0011
	Surface-mounted	Grey	▧	41383S-H	2TMA130160H0011
	Flush-mounted	Anthracite	■	41383F-B	2TMA130160B0003
	Flush-mounted	Grey	▧	41383F-H	2TMA130160H0003
	Pre-installation box	Anthracite	■	41383PB	2TMA130160B0019
	Surface-mounted	Anthracite	■	41384S-B	2TMA130160B0012
	Surface-mounted	Grey	▧	41384S-H	2TMA130160H0012
	Flush-mounted	Anthracite	■	41384F-B	2TMA130160B0004
	Flush-mounted	Grey	▧	41384F-H	2TMA130160H0004
	Pre-installation box	Anthracite	■	41384PB	2TMA130160B0020
	Surface-mounted	Anthracite	■	41385S-B	2TMA130160B0013
	Surface-mounted	Grey	▧	41385S-H	2TMA130160H0013
	Flush-mounted	Anthracite	■	41385F-B	2TMA130160B0005
	Flush-mounted	Grey	▧	41385F-H	2TMA130160H0005
	Pre-installation box	Anthracite	■	41385PB	2TMA130160B0021
	Surface-mounted	Anthracite	■	41386S-B	2TMA130160B0014
	Surface-mounted	Grey	▧	41386S-H	2TMA130160H0014
	Flush-mounted	Anthracite	■	41386F-B	2TMA130160B0006
	Flush-mounted	Grey	▧	41386F-H	2TMA130160H0006
	Pre-installation box	Anthracite	■	41386PB	2TMA130160B0022

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Rain Hood and Weather Cover

ABB-Welcome/ABB-Welcome IP - Installation material

3 types of covers:

Rain hood (SM)
designed to adapt surface-mounted (SM) box

Rain hood (FM)
designed to adapt flush-mounted (FM) box

Columns	Modules	Type of cover	Color		Article no.	Order no.
1	x	Rain hood (SM)	Aluminum	■	41383RH	2TMA130160A0009
1	x	Rain hood (FM)	Aluminum	■	41381RH	2TMA130160A0001
2	x	Rain hood (SM)	Aluminum	■	41384RH	2TMA130160A0010
2	x	Rain hood (FM)	Aluminum	■	41382RH	2TMA130160A0002

Weather cover
designed for full weather surface mounting,
in combination with FM boxes

Columns	Modules	Type of cover	Color		Article no.	Order no.
1	1	Weather cover	Aluminum	■	41021WC-A	2TMA220161A0001
1	2	Weather cover	Aluminum	■	41022WC-A	2TMA220161A0002
1	3	Weather cover	Aluminum	■	41023WC-A	2TMA220161A0003
1	4	Weather cover	Aluminum	■	41024WC-A	2TMA220161A0004
1	5	Weather cover	Aluminum	■	41028WC-A	2TMA220161A0005
2	3	Weather cover	Aluminum	■	41025WC-A	2TMA220161A0006
2	4	Weather cover	Aluminum	■	41026WC-A	2TMA220161A0007

Boxes dimensions

Columns	Modules	Surface-mounted box	Flush-mounted box
1	1	137 x 133 x 32 mm 5.4 x 5.2 x 1.25 inch	137 x 133 x 52 mm 5.4 x 5.2 x 2 inch
1	2	203 x 133 x 32 mm 8 x 5.2 x 1.25 inch	203 x 133 x 52 mm 8 x 5.2 x 2 inch
1	3	275 x 133 x 32 mm 10.8 x 5.2 x 1.25 inch	275 x 133 x 52 mm 10.8 x 5.2 x 2 inch
1	4	347 x 133 x 32 mm 13.6 x 5.2 x 1.25 inch	347 x 133 x 52 mm 13.6 x 5.2 x 2 inch
1	5	419 x 133 x 32 mm 16.5 x 5.2 x 1.25 inch	419 x 133 x 52 mm 16.5 x 5.2 x 2 inch
1	6	275 x 233 x 32 mm 10.8 x 8.7 x 1.25 inch	275 x 233 x 52 mm 10.8 x 8.7 x 2 inch

Covers dimensions

Columns	Modules	Rain hood (SM)
1	n	98 x 143 x 68 mm 3.8 x 5.6 x 2.7 inch
2	n	275 x 233 x 32 mm 10.8 x 8.7 x 1.25 inch
3	n	275 x 233 x 32 mm 10.8 x 8.7 x 1.25 inch

Door entry system
ABB-Welcome - 2-wire indoor stations

	Smart Touch 10"	Video Indoor Station 7" Touch	Video Indoor Station 4.3 WiFi	Video Indoor Station 7"	4.3" video handset	Basic 4.3" hands-free	Audio hands-free	Audio handset
Video	●	●	●	●	●	●		
Color	White, Black	White, Black	White	White	White	White	White, Black, Silver	White
Screen Size	10"	7"	4.3"	7"	4.3"	4.3"		
Video Surveillance call	●	●	●	●	●	●		
Door bell call	●	●	●	●	●	●	●	●
Image call history	●	●	O[1]	●	●	●[4]		
Variable ringtone		●	●	●	●	●	●	●
Automatic unlock	●	●	●	●	●	●	●	●
Mute one or mute all	●	●	●	●	●	●	●	●
Open multiple doors		●	●	●	●	●		●
InterCom	●	●	O[2]	●	●	●		
Room to Room Home to Home Guard Unit Call	●	●	O[2]	●	●	●		●
Black list for InterCom calls	●	●	O[1]	●	●	●		
Induction loop	●	●	●	●	●	●		●
3rd party camera integration	●	●	●	●	●	●		
Welcome App Integration	●		●					
Paging/Broadcast	●	●						
Customized ringtone from SD		●						
Video record	●	●						
Custom audio away message	●	●						
Call forwarding	●	●						
Smart home integration	●							

Device Interfaces

	Smart Touch 10"	Video Indoor Station 7" Touch	Video Indoor Station 4.3 WiFi	Video Indoor Station 7"	4.3" video handset	Basic 4.3" hands-free	Audio hands-free	Audio handset
SD card	●	●						
Wifi integrated	●		●					
Local power supply			●		●	●		
Installation	Surface and table mounting	Surface, flush and table mounting	Flush mounting	Flush mounting			Surface mounting	Surface mounting
Firmware update through Internet	●		●					
Firmware update by SD-Card	●	●	●					

Notes:
1. Shown in the Welcome App
2. Configured through Welcome App
3. Additional IP gateway needed (83342)
4. With Induction Loop

Door entry system

ABB-Welcome - 2-wire video indoor stations

ABB-SmartTouch® 10''

Freely programmable Touch panel featuring a 10-inch IPS screen with 1280 x 800 resolution that combines smart home automation and door communication in one device for residential applications, hotels, and commercial buildings. ABB-SmartTouch® 10'' offers home control and monitoring of the ABB-free@home®, or ABB i-bus®KNX system and the fully integrated functions of ABB-Welcome.

Control, observe and manage your entire installation on one device: Switching - Dimming - Slider - Blind - RGBW control element - Step switch - Scene switch - Display element - Audio control element – RTC control element – VRV control element and display different values such as energy consumption and production. With scene function, logic functions, presence simulation and time programs. ABB-SmartTouch® 10" can also be used as an end device for communication with the ABB-Welcome outdoor stations, and as part of the ABB-Welcome door communication system.

• Display size: 25,4 cm (10'')
• Display resolution: 1280 x 800
• Display screen: IPS display
• Flush or Surface mounted.
• Can also be mounted on a desktop stand.
• The flat design slim real metal frame sits almost flush with the wall (14 mm) and is available in 4 colors (stainless steel, graphite, gold and rose gold) and black or white glass.

Frame	Version	Article no.	Order no.
Stainless	White ▢	ST/U10.1.11-811	2TMA310050W0001
	Black ■	ST/U10.1.11-825	2TMA310050B0001
Graphite	White ▢	ST/U10.2.11-811	2TMA310050W0002
	Black ■	ST/U10.2.11-825	2TMA310050B0002
Satin gold	White ▢	ST/U10.3.11-811	2TMA310050W0003
	Black ■	ST/U10.3.11-825	2TMA310050B0003
Rose gold	White ▢	ST/U10.4.11-811	2TMA310050W0004
	Black ■	ST/U10.4.11-825	2TMA310050B0004

Surface Mounting Frame for ABB-SmartTouch® 10''

Surface mounting frame for mounting the ABB-SmartTouch® 10'' ST/U10.x.1-8xx on:
• Standard flush mounted wall box VDE & BS
• Already installed flush mounted installation box:
  - 6136/UP
  - 8136/01 UP-500
  - UP-KAST 2
• To be mounted directly on the wall
• To be mounted on the ABB-Welcome table stand

Version	White ▢	Black ■
Article no.	ST/A10.1-811	ST/A10.1-825
Order no.	2TMA310161W0001	2TMA310161B0001

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Door entry system
ABB-Welcome - 2-wire video indoor stations
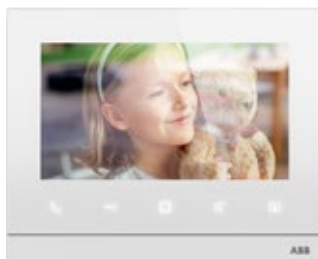
Video Indoor Station 7" Touch

The 7" panel is the new member of ABB-Welcome indoor world. It has touch screen with glass surface material. 7.8 mm thickness after flush mounted makes this new panel more fashion than ever. It can be surface-mounted, flush-mounted, desktop installation to fit all your needs. The new panel has 5 keys to control main video door entry functions: accept the call, door release, programmable button, mute, surveillance. In-build LED shows the missed call, auto-unlock status, and mute status.

- Display and record the video image from outdoor station or external cameras
- Different bell sounds adjustable for door and floor ringing, five different bell sounds available
- Possibility to play your favorite ringtone from SD card
- Leave message to family members or visitors when out of home
- Automatic unlock function
- Internal call to other users living in the apartment or neighbors
- Call concierge if guard unit is ready in the system Send SOS alarm to guard unit
- Induction loop in all the versions
- 7" capacitive touchscreen
- Display resolution: 1024 x 600 px   198 x 162 x 17 mm / 7.8 x 6.4 x 0.7 inch

Version	Article no.	Order no.	EU (excluding DE, CH)	CH	USA, others (excluding CN)
Black ■	M22381-B	2TMA220050B0004			●
	M22381-B-02	2TMA220050B0008	●		
	M22381-B-04	2TMA220050B0010		●	
White ▢	M22381-W	2TMA220050W0007			●
	M22381-W-02	2TMA220050W0015	●		
	M22381-W-04	2TMA220050W0017		●	

Video indoor station 4.3 series, WiFi

New 2-wire video indoor station with integrated WiFi to connect mobile APP without additional system devices. Minimalistic & intuitive user interface makes the operation simply enough. 6 touch buttons are easy for operation and one side button to adjust volume, ringtone, brightness and others. You can also accept the call, open the door lock, make a surveillance, and firmware updating and additional activations from the Welcome APP.

- Intuitive button layout, separate "call" & "unlock" button, to avoid mis-operation on small size panel
- Network/WiFi connection & parameters of panel can be configured through Welcome APP following wizard design
- APP pairing process is easy enough to scan QR code for first mobile devices, and click "pair" button for additional mobile devices with same MyBuildings account login
- Enables to use up to 8 mobile devices, installing the ABB-Welcome App, as a client for Welcome locally at home and to connect to myBuildings Portal for the optional remote access and ring notification service.
- Cyber security and data privacy
- Remote firmware update through Welcome APP
- Intuitive GUI on 4.3'' IPS screen (resolution: 480 x 272 px)
- Type of installation: SM
- Dimensions: 122 x 131 x 18 mm / 4.8 x 5.2 x 0.7 inch

Version	White ▢	With induction loop-White ▢	CH only
Article no.	M22401-W	M22403-W	M22401-W-04
Order no.	2TMA220050W0022	2TMA220050W0024	2TMA200051W0001

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Door entry system

ABB-Welcome - 2-wire video indoor stations

Video indoor station 7"

Video Indoor Station with 7" non-Touch Display and additional 6 quick access touch Buttons. The ideal entry-level solution for the video door intercom system. Supports up to 5 Intercom and 5 universal switch functions through simple quick access button. Supports simple & fast Surface mounting installation with an intuitive user interface.

- Display of the video image of the outdoor station. During the conversation a picture of the visitor can be taken and stored in the picture memory
- Quick access touch buttons for door opener, mute, virtuall buttons and video surveillance
- Easy access for up to 5 virtual Intercom entries
- Easy access for up to 5 programmable switch functions
- Supporting Camera-Interface to connect external Cameras
- 7" non-Touch Display (resolution: 1024 x 600 px)
- Type of installation: SM (metal bracket included)
- Dimensions: 138 x 184 x 19 mm / 5.4 x 7.2 x 0.7 inch

Version	White ▢		With induction loop-White ▢
Article no.	M22411-W		M22413-W
Order no.	2TMA210051W0001		2TMA210051W0002

Flush-mounted box and Pre-installation box for 7" video indoor station
- The FM box is fitted with knock down holes for cabling from the left, right, bottom or back
- The product is packed with accessories to endure qualified installation

Article no.	42361F
Order no.	2TMA130160B0132
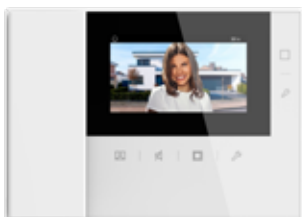
Video Indoor Station 4.3" Handset

Experience security, functionality and simplicity with our Video Indoor Station 4.3" Handset, a complete entry-level solution for your video communication system. It features a non-touch display, integrated handset and six quick-access touch buttons. It conveniently supports up to 5 talk and 5 switch functions. The unit offers seamless surface or desktop mounting and promises an intuitive user experience.
- Live video feed and visitor image capture
- Quick-access touch buttons for door opener, mute, virtual buttons and monitoring
- Supports 5 virtual intercom entries and 5 programmable switch functions
- External camera connection available
- Non-touch 4.3" display (resolution: 1024 x 600 px)
- Installation: Surface mounting (metal bracket included) & desktop (requires 42311D bracket)
- Dimensions (WxHxD) : 206 x 147 x 44 mm / 8.11 x 5.79x 1.73 inch

Version	Article no.	Order no.	EU, USA & others (excluding DE, CH & CN)
White ▢	M22471-W	2TMA220051W0002	●
With induction loop* - White ▢	M22473-W	2TMA220051W0001	●

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Door entry system
ABB-Welcome - 2-wire video indoor stations

Video Indoor Station 4.3"
Experience security, functionality and simplicity with our Video Indoor Station 4.3", a complete entry-level solution for your video communication system. It features a non-touch display and six quick-access touch buttons. It conveniently supports up to 5 talk and 5 switch functions. The unit offers seamless surface or desktop mounting and promises an intuitive user experience.
- Live video feed and visitor image capture
- Quick-access touch buttons for door opener, mute, virtual buttons and monitoring
- Supports 5 virtual intercom entries and 5 programmable switch functions
- External camera connection available
- Non-touch 4.3" display (resolution: 1024 x 600 px)
- Installation: Surface mounting (metal bracket included) & desktop (requires 42311D bracket)
- Dimensions (WxHxD) : 152 x 124 x 22.5 mm / 5.98 x 4.88 x 0.89 inch

Version	Article no.	Order no.	EU, USA & others (excluding DE, CH)	USA, others (excluding CN)
White ▪	M22481-W	2TMA220051W0004	●	
	M22484-W	2TMA220051W0005		●
With induction loop* - White ▪	M22483-W	2TMA220051W0003	●	●

Desktop bracket
- Full metal design with brushed finish base, suitable for 7" all touch, 4.3" hands-free video indoor station, 4.3" handset video indoor station and guard unit
- 125 x 107 x 134 mm / 5 x 4.2 x 5.3 inch

Article no.	42311D
Order No.	2TMA070130N0189

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Door entry system

ABB-Welcome - 2-wire audio indoor stations

Audio hands-free

Hands-free indoor station with 4 buttons. The light button can be customized
as room-to-room intercom, call guard unit.

- Different bell tones for door-call and floor-call, choice of five different bell sounds
- The ringtone can be fixed or cycled
- Floor-call function, a connected button functions as a floor-call button:
  all indoor stations with the same address trigger a floor call
- Type of installation: SM
- Dimensions: 178 x 81 x 22 mm / 7 x 3.2 x 0.9 inch

Version	Article no.	Order no.	EU (excluding DE, CH)	USA, others (excluding CN)
White ▪	83210 AP-624-500-01	2TMA020020W0064		●
	83210 AP-624-500-02	2TMA210050W0016	●	
Black ▪	83210 AP-681-500-01	2TMA070020B0034		●
	83210 AP-681-500-02	2TMA210050B0005	●	
Silver ▪	83210 AP-683-500-01	2TMA070020S0006		●
	83210 AP-683-500-02	2TMA210050S0004	●	

Audio handset

Handset indoor station with 3 or 6 buttons.

- 1 easy pushbutton for unlock, and 2 additional buttons for self-setting functions, e.g.
  intercom, door status check, second lock release or even calling the security guard, etc.
- Max-mid-mute volume adjuster on the side
- 2 LEDs to indicate different working status
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor
  station, doorbell, intercom or guard unit
- The activating or deactivating of automatic unlock can be made by simply pressing the
  unlock button for 10 seconds
- Type of installation: SM
- Dimensions: 175 x 81 x 22 mm / 6.9 x 3.2 x 0.9 inch

Version	Article no.	Order no.	EU (excluding DE, CH)	USA, others (excluding CN)
3 buttons	M22002-W	2TMA070020W0054		●
	M22002-W-02	2TMA210050W0001	●	
3 buttons with induction loop	M22003-W	2TMA070020W0062		●
	M22003-W-02	2TMA210050W0002	●	
6 buttons	M22001-W	2TMA070020W0063		●
	M22001-W-02	2TMA210050W0003	●	

Handset with induction loop

- Suitable for audio handset indoor station with induction loop and 4.3" video handset
  indoor station with induction loop
- 144 x 53 x 23 mm / 5.7 x 2 x 0.9 inch

Article no.	52303HS-W
Order No.	2TMA070020W0065

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Door entry system
ABB-Welcome IP - Video indoor stations - comparision

IP touch 10" and IP touch 7"
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.

Shared features:
• Extension to App without additional system device
• Central control panel to DES, Surveillance, Home automation (KNX &free@home)
• Cyber security and data privacy
• Clean & consistent design with invisible mic & speaker hole• Slim thickness with 7.8 mm when flush mounted
• Color, material, End trip & mounting type selectable
• Easy installation in all kind of walls
• Easy commissioning by QR code scanning or central PC management software
• PoE and local power supply optional
• Remote firmware update
• PoE in all the versions

		IP touch 10	IP touch 7	IP touch Lite 7
Main features	Display	10" Touch	7" Touch	7" Touch
	Video Quality	HD 720p	HD 720p	HD 720p
	Remote call on mobile APP	▣	▣	▣
	Smart Home	free@home KNX Max 100 control frames	free@home KNX Max 64 control frames	
Mounting type	Flush mounting	●	●	●
	Surface mounting	●	●	●
	Desktop mounting			
	Cavity wall set			
Other features	Image history list	●	●	●
	Cyclical surveillance	●	●	●
	Induction loop	●	●	●
	Manual call	●	●	●
	Room to room call	●	●	●
	Home to home call	●	●	●
	Call guard unit	●	●	●
	Variable ringtone	●	●	●
	Power supply	Both PoE and direct local	Both PoE and direct local	Both PoE and direct local
	Firmware remote update	●	●	●
	Inbuilt IP-Gateway	●	●	●
	SD card	●	●	
	Automatic unlock function	●	●	●

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Door entry system

ABB-Welcome IP - Video indoor stations

IP touch 10

- Intuitive GUI on sliding screen (1024 x 600 px)
- Dustproof and waterproof as IP30
- Type of installation: SM or FM - depending on the version
- Induction loop in all the versions
- Stainless steel end strip
- Enables to use up to 8 mobile devices, installing the ABB-Welcome App, as a client for Welcome IP locally at home and to connect to myBuildings Portal for the optional remote access and ring notification service.
- Dimensions (LAN + LAN): 251 x 185 x 30 mm / 9.9 x 7.3 x 1.2 inch
- Dimensions (LAN + WiFi): 251 x 185 x 17 mm / 9.9 x 7.3 x 0.7 inch

			Version	Black ■	White ◻	Flush Mounting (FM)	Surface Mounting (SM)
🔌	+	🔌	Article no. Order no.	H8237-5B 2TMA130050B0055	H8237-5W 2TMA130050W0055	●	
🔌	+	📶	Article no. Order no.	H8237-4B 2TMA130050B0054	H8237-4W 2TMA130050W0054	●	●

Surfece-mounted box for IP touch panel 10
Mounting of IP touch 10 on the wall
- For surface-mounted installation of indoor station
- The product is packed with accessories to ensure qualified installation
- Dimensions: 251 x 184 x 14 mm / 9.9 x 7.2 x 0.5 inch

Version	White ◻	Black ■
Article no. Order no.	42371S-W 2TMA130161W0001	42371S-B 2TMA130161B0001

Flush-mounted box & Pre-installation box for IP touch 7 and 10
Flush-mounted box and Pre-installation box for IP 7 and 10 inch video indoor station
- 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
- Dimensions: 194 x 145 x 55 mm / 7.6 x 5.7 x 2.2 inch, 2 boxes together

Article no.	42361F
Order no.	2TMA130160B0132

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Door entry system
ABB-Welcome IP - Video indoor stations

IP touch 7

- Intuitive GUI on sliding screen (1024 x 600 px)
- Dustproof and waterproof as IP30
- Type of installation: SM or FM - depending on the version
- Induction loop in all the versions
- Stainless steel end strip
- Enables to use up to 8 mobile devices, installing the ABB-Welcome App, as a client for Welcome locally at home and to connect to myBuildings Portal for the optional remote access and ring notification service.
- Dimensions (LAN + LAN): 199 x 150 x 30 mm / 7.8 x 5.9 x 1.2 inch
- Dimensions (LAN + WiFi): 199 x 150 x 17 mm / 7.8 x 5.9x 0.7 inch

		Version	Black ■	White ▢	Flush Mounting (FM)	Surface Mounting (SM)
🔌	+ 🔌	Article no. Order no.	H8236-5B 2TMA130050B0067	H8236-5W 2TMA130050W0067	●	
🔌	+ 📶	Article no. Order no.	H8236-4B 2TMA130050B0065	H8236-4W 2TMA130050W0065	●	●

Surfece-mounted box for IP touch panel 7
Mounting of IP touch 7 on the wall
- For surface-mounted installation of indoor station
- The product is packed with accessories to ensure qualified installation
- Dimensions: 197 x 148 x 13 mm / 7.7 x 5.8 x 0.5 inch

Version	White ▢	Black ■
Article no. Order no.	42361S-W 2TMA130160W0017	42361S-B 2TMA130160B0080

Flush-mounted box & Pre-installation box for IP touch 7 and 10
Flush-mounted box and Pre-installation box for IP 7 and 10 inch video indoor station
- 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
- Dimensions: 194 x 145 x 55 mm / 7.6 x 5.7 x 2.2 inch, 2 boxes together

Article no.	42361F
Order no.	2TMA130160B0132

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Door entry system

ABB-Welcome IP - Video indoor stations

IP touch Lite 7

- Intuitive GUI on sliding screen (1024 x 600 px)
- Dustproof and waterproof as IP20
- Type of installation: SM and FM
- Enables to use up to 8 mobile devices, installing the ABB-Welcome App, as a client for Welcome locally at home and to connect to myBuildings Portal for the optional remote access and ring notification service.
- Dimensions (LAN + WiFi): 192 x 128 x 17.2 mm / 7.6 x 5.0 x 0.7 inch

			Version	Black ■	White ▢	Flush Mounting (FM)	Surface Mounting (SM)
🔌	+	📶	Article no. Order no.	H8249-1B 2TMA130051B0009	H8249-1W 2TMA130051W0010	●	●

Surfece-mounted box for IP touch Lite panel 7

Mounting of IP touch Lite 7 on the wall

- For surface-mounted installation of indoor station
- The product is packed with accessories to ensure qualified installation
- Dimensions: 187.6 x 123.3 x14 mm / 7.4 x 4.9 x 0.6 inch

Version	White ▢	Black ■
Article no. Order no.	42491S-W 2TMA320161W0001	42491S-B 2TMA320161B0001

Flush-mounted box & Pre-installation box for IP touch Lite 7

Flush-mounted box & Pre-installation box for IP touch Lite 7 video indoor station

- 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
- Dimensions: 178 x 108 x 52 mm / 7 x 4.3 x 2.0 inch, 2 boxes together

Article no.	42491F
Order no.	2TMA320161B0002

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Door entry system
ABB-Welcome IP audio indoor station

Audio IP
Handset indoor station with 6 buttons.

- Big 4 preset operation button with unlock, intercom, light switch, mute function and 2 additional customizable buttons via SmartAP
- 2 LEDs to indicate different working status
- Max-mid-mute volume adjuster on the side
- 4 ringtones that could be selected for different call sources via SmartAP
- Room 2 Room and Home 2 Home
- Support induction loop
- Type of installation: SM
- Dimensions: 175 x 81 x 22 mm / 6.9 x 3.2 x 0.9 inch

Article no.	H82001-W
H82001-W	2TMA130011W0001

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Door entry system

ABB-Welcome - System devices

System controller
- Two version available: Standard system controller & mini system controller
- As the "brain" of the individual system, it manages the communication between the outdoor station and the indoor station
- Two working modes : "all on" and "one on"
- If in "all on" mode, and the apartment contains more than 1 video indoor station, all the screens in the apartment will be on while only one is on if in "one on" mode
- It can also serve as auxiliary BUS power supply when connected to gateway in certain mode
- 1 LED for normal working condition indication
- Overheat, short-circuit and lightening protection
- Dimensions (standard version): 90 x 72 x 65 mm / 3.5 x 2.8 x 2.5 inch
- Dimensions (mini version): 90 x 72 x 65 mm / 3.5 x 2.8 x 2.5 inch

Version	Standard 1.2A output, MDRC 8U, with lower consumption in "one on" mode
Article no.	M2300-101
Order no.	2TMA210161W0001
Pack Qty	1/10

Version	Mini 0.65A output, MDRC 4U, with lowerconsumption in "one on" mode
Article no.	M2301-101
Order no.	2TMA210161W0002
Pack Qty	1/10

Gateway
- It offers 5 different modes which can be set by dip switch: apartment gateway, floor gateway, building gateway, auxiliary BUS power supply interface and line amplifier
- Dimensinos: 90 x 72 x 65 mm / 3.5 x 2.8 x 2.6 inch

Article no.	M2302
Order no.	2TMA070060W0006
Pack Qty	1/10

IP Gateway for 2-wire systems
- Enables to use up to 4 mobile devices, installing the ABB-Welcome App, as a client for Welcome locally at home and to connect to myBuildings Portal for the optional remote access and ring notification service.
- Both WIFI and remote access under 3G/4G through internet service provider.
- IP Gateway acts as a PC interface to program the telephone gateway more efficiently
- Supports to monitor multi-cameras connected with camera interface
- Supports intercom calls, including home to home & room to room call by ABB-Welcome App
- Supports to communicate with guard unit by ABB-Welcome App
- Supports to control relay actuator, and one actuator can be activated during the call if necessary by ABB-Welcome App
- Supports to control two locks during the call by ABB-Welcome App
- Supports to make a SOS call if there is emergency by ABB-Welcome App
- Notification function of App is always available: while App is open in the foreground, background or even closed totally
- Dimensions: 90 x 180 x 65 mm / 3.5 x 7 x 2.5 inch

Article no.	83342-500-01
Order no.	2TMA020060H0008
Pack Qty	1/24

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Door entry system

ABB-Welcome - System devices

Din rail adaptor
- One DIN rail adaptor fit for all the flush mounted devices: video distributor, switch actuator, and camera interface
- Adjustable and consistent looking cover can be taken out if needed
- Dimensions: 90 x 72 x 65 mm / 3.5 x 2.8 x 2.5 inch

Article no.	53001DR
Order no.	2TMA070150H0001
Pack Qty	1/10

Camera interface
- Supports up to 4 analog 3rd party cameras for one device
- Supports camera connection to the existing video/audio outdoor station
- Supports transfer of image from guard unit to the indoor station
- Supports the camera for viewing the area of the floor (for example with the connection from indoor station to this interface, where it connects to the analog camera
- Supports input and output of video signal of outdoor station to 3rd party VDR during the call, which can be viewed from the video indoor station)
- Supports installation in DIN, surface mounted
- Dimensinos: 77 x 61 x 25 mm / 3 x 2.4 x 1 inch

Article no.	83327-500-01
Order no.	2TMA070150B0007
Pack Qty	1/18

Video distributor
- This compact device supports 4-way outputs connected to different apartments or different high-rise buildings
- Flush-mounted into box or surface mounted through the hole in the middle, or DIN rail mounted via DIN adaptor (Article no. 53001DR)
- Dimensions: 45 x 45 x 26 mm / 1.7 x 1.7 x 1 inch

Article no.	M2304
Order no.	2TMA070070B0006
Pack Qty	1/18

Video outdoor distributor
- Used for buildings with more than 1 outdoor station
- 2-way inputs are connected to different outdoor stations
- Dimensions: 90 x 36 x 65 mm / 3.5 x 1.4 x 2.5 inch

Article no.	83325/2-500-01
Order no.	2TMA020070N0011
Pack Qty	1/20

BNC connector
- Used to connect the external camera to the camera interface or outdoor station's camera module
- The connector accepts a BNC plug connection directly
- Dimensions: 42 x 15 x 14 mm / 1.6 x 0.6 x 0.6 inch

Article no.	55001BC
Order no.	2TMA070180N0012
Pack Qty	1/10

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Door entry system

ABB-Welcome - System devices

Switch actuator

- This compact device has 3 working modes: extend door bell, door opener and time relay
- Local pushbutton can be connected as control input
- The switching duration of unlock or switching on lightings is adjustable
- Flush-mounted or DIN rail mounted via DIN adaptor (Article no. 53001DR)
- Dimensions: 51 x 51 x 29 mm / 2 x 2 x 1.1 inch

Article no.	M2305
Order no.	2TMA070150B0006

Guard unit

- 4.3" touch screen and 6 touch film buttons can ensure the communication with calls from outdoor station, indoor station or other guard unit (if any)
- It can be manually or automatically set into intercept mode to increase security level for all users or only certain individuals
- Surveillance can be done through the camera of outdoor stations or integrated analog camera
- Missed calls and alarm messages stored in the memory can be reviewed
- It can be surface mounted on the wall or desktop mounted (desktop bracket 42311D is needed)
- Dimensinos: 144 x 198 x 45 mm / 5.6 x 7.8 x 1.7 inch

Article no.	M2303
Order no.	2TMA070030W0007
Pack Qty	1/15

Lift control module

- Enhance security to allow authorized visitor/resident to ONLY go to the designated floor while unauthorized visitor can not activate any floor button in the lift
- Efficient programming through PC by dedicated commissioning software
- Each module supports up to 16 floors, total up to 16 modules can be cascaded
- Dimensions of relay mode: 216 x 110 x 45 mm / 8.5 x 4.3 x 1.7 inch
- Dimensions of M adaptor: 90 x 72 x 65 mm / 3.5 x 2.8 x 2.5 inch

Version	Relay module	M adaptor (2 functions: PC adaptor and lift control module)
Article no.	M2307	M2306
Order no.	2TMA070150N0044	2TMA070100N0001
Pack Qty	1/30	1/10

2-wire adaptor

- Supports to connect PC with management software into 2-wire DES system
- PC management software supports centralized management of user card no. /user names/logic addresses, registration/deletion/change
- Supports the building system without floor system
- PC management software records system logs, e,g unlock log, SOS log
- PC management software supports to configure lift control modules
- Dimensions: 90 x 180 x 65 mm / 3.5 x 7 x 2.5 inch

Article no.	M2308
Order no.	2TMA210160N0003
Pack Qty	1/24

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Door entry system

ABB-Welcome - System devices

External camera
- Analogue camera solutions for the camera interface from the ABB-Welcome range
- Three types are optional for different application, normal camera/dome camera/mini dome camera
- Image Sensor: 1/3" 1.3MP SONY Exmor CMOS
- Effective Pixels: 1305 (H) x 1049 (V)
- Resolution: 700TVL
- Horizontal detection angle: 30°- 90° (manually adjustable for video camera & dome camera); 75°(fixed for mini dome camera)
- S/N Ratio: ≥50 dB
- Min. iIlumination (Day): 0.1 Lux @ F2.0
- Min. iIlumination (Night): 0 Lux @ F2.0
- Video signal: 1 x CVBS, 1Vpp, 75 Ohm (BNC)
- White Balance: AWB, 1 800 K – 10 800 K
- Lens: 2.8-12 mm (manually adjustable for video camera & dome camera); 3.6 mm (fixed for mini dome camera)
- IR Range: 50m (video camera), 40m (dome camera), 30m (mini dome camera)
- Input Voltage: DC 12 V +/- 10%
- Dustproof and waterproof as IP 66
- Dimensions Video camera: 286 x 86 x 77 mm / 11.3 x 3.4 x 3 inch
- Dimensions Dome camera: 130 x 119 x 104 mm / 5.1 x 4.7 x 4 inch
- Dimensions Mini dome camera: 105 x 94 x 83 mm / 4.1 x 3.7 x 3.3 inch

Version	Video camera	Dome camera	Mini dome camera
Article no.	83550/1-500-01	83550/2-500-01	83550/3-500-01
Order no.	2TMA210160N0006	2TMA210160N0007	2TMA210160N0008
Pack Qty	1/4	1/12	1/12

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Door entry system

ABB-Welcome IP - System devices

Smart Access Point Pro
A central management device of AccessControl and Welcome IP, 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.
• Easy to commissioning
• Access rights for full management
• 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
• Integrated chimey, easy for retrofit
• In-build BLE, the best choice for standalone AC system
• Dimensions: 204 x 132 x 32 mm / 8 x 5.2 x 1.25 inch
• 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
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Power supply:
  - 24VDC, together with ABB power adaptor
  - PoE(Power over Ethernet)
• Environment:
  - Temperature: -10 °C to +45 °C
  - Protection type: IP30
  - Vandal proof: IK07
  - Humidity: 0 to 95%, non-condensing

Article no.	D04011
Order no.	2TMA400260W0002

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Door entry system

ABB-Welcome IP - System devices

Guard unit

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.

• 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
• Dimensions: 265 x 165 x 117 mm / 10.4 x 6.5 x 4.6 inch

Article no.	H8303
Order no.	2TMA130160W0018

Inerface module for LAN + RS485 + 11 alarm zones

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

• LAN port for private and public network
• Channels relay output
• 1 channel 485 output
• 12 V DC, 200 mA output
• Dimensions: 82 x 60 x 17 mm / 3.2 x 2.4 x 0.7 inch

Article no.	52361EX
Order no.	2TMA130160B0136

IP actuator (LAN port)

Connecting electrical door opener or hall light directly

• Easy to adjust the switching duration of unlock or the switching of light
• Dimensions: 90 x 70 x 65 mm / 3.5 x 2.7 x 2.5 inch

Version	Grey ■
Article no.	H8304
Order no.	2TMA130160H0051

24 VDC mini Power adaptor

Power adaptor supplies the power for IP touch panels and Welcome IP Access Point Pro

• Provide stable power supply input
• Dimensions: 44 x 72 x 60 mm / 1.7 x 2.8 x 2.4 inch

Version	includes plug-adaptors for EU, UK, US, CN, AU
Article no.	53012PS
Order no.	2TMA130160W0024

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Door entry system

ABB-Welcome IP - System devices

Power supply

Power adpator suppliers the power for system devices

- 27 V DC, 81 W
- Support over voltage, over current, over-heat and short-circuit protection
- Dimensions: 178 x 90 x 65 mm / 7 x 3.5 x 2.5 inch

Version	includes plug-adaptors for EU, UK, US, CN, AU
Article no.	YSM01-PS
Order no.	2TMA130160H0085

Lift control module

The Elevator Controller and Relay Module System, once configured within the Welcome IP Network, provides an effective interface to allow Welcome IP Indoor Stations and Outdoor Stations to communicate with the Elavators within the building, by triggering the elevators' call and by authorizing visitors and residents to access the correct building's floor.

- Apartment to apartment elevator call/authentication
- Integrated IS, OS and APP calling set up
- Cyber security & remote update
- Parameters can be configured by Smart Access Point, easy and simple via a 3 setting modes (Pre-Configured, Semi-automatic, Manual)
- Maximum security and privacy for an IP based device
- Remote firmware update through Smart Access Point

Version	Elevator Controller	Relay Module
Article no.	H8308	M2307
Order no.	2TMA130161W0003	2TMA070150N0044

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Door entry system

ABB-Welcome/ABB-Welcome IP - Accessories

ID card

• 125 KHz
• ISO18000-2

Version	Proximity key fob	Proximity badge
Article no.	51021F-L	51021B
Order no.	2TMA070180L0001	2TMA070180N0002

IC card

• 13.56 MHz
• ISO14443A

Proximity key fob	Yellow ■	Red ■	Blue ■
Article no.	51022F-Y	51022F-R	51022F-L
Order no.	2TMA070180Y0001	2TMA070180R0001	2TMA070180L0002

New Proximity key fob

• Dimensions: 201 x 131 x 70 mm / 7.9 x 5.1 x 27 inch

Version	ID card, white ▫	ID card, black ■	IC card, white ▫	IC card, black ■
Article no.	51023F-W	51023F-B	51024F-W	51024F-B
Order no.	2TMA070180W0001	2TMA070180B0001	2TMA070180W0002	2TMA070180B0002

New ID/IC stickers

• Dimensions: 25 x 25 x 0,6 mm / 1 x 1 x 0.02 inch

Version	ID sticker	IC sticker
Article no.	51021S	51022S
Order no.	2TMA070180N0033	2TMA070180N0034

Proximity badge, IC card

• Dimensions: 40 x 31 x 5 mm / 1.6 x 1.2 x 0.2 inch

Article no.	83173-500-01
Order no.	2TMA070180N0027

Label holder for round pushbutton module

• Label holder for the round pushbutton module, with stamped labelling
• Contains one support frame and two extension support frames

Article no.	83161-500-01
Order no.	2TMA070180N0011

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Door entry system

ABB-Welcome/ ABB-Welcome IP - Accessories

Labelling sheet, A4
• Quality labelling sheet for nameplate
• Easy to be printed and cut
• Waterproof
• Size 2/5, 210 x 297 mm / 8.2 x 11.7 inch

Version	A4	1/3 height, A4	1/4 height, A4	for roundpush botton module, A4
Article no.	51021L	51022L	51023L	51024L
Order no.	2TMA070180N0004	2TMA070180N0005	2TMA070180N0006	2TMA070180N0010

Cushion set for surface-mounted installation
Spare part for surface mounting when the installation cable lay on the wall
• Easy to install
• Dimensions: 15 x 10 x 5 mm / 0.6 x 0.4 x 0.2 inch

Article no.	52311C
Order no.	2TMA210160W0001

Joining fixture
Joining fixture used when more than one flush mounted box needs to be connected together
• Easy to integrate mounting boxes together
• Dimensions: 120 x 83 x 80 mm / 4.7 x 3.3 x 3.1 inch

Article no.	51381J
Order no.	2TMA130160B0124

Mounting tool
The mounting tool use to dismoute the outdoor station
• Easy to install and removal end strip
• Dimensions: 165 x 14 x 26 mm / 6.5 x 0.5 x 1 inch

Article no.	51381MT
Order no.	2TMA130160B0025

Outdoor station End-strip
End-strip for outdoor station cover frame
• Easy to install and replace
• Size 1 dimensions: 135 x 19 x 16 mm / 5.3 x 0.7 x 0.6 inch
• Size 1 dimensions: 235 x 19 x 16 mm / 9.2 x 0.7 x 0.6 inchh

Version	Size 1	White ▢	Stainless steel ▢
Article no.		51381EP-W	51381EP-S
Order no.		2TMA130160W0001	2TMA130160X0002
Version	Size 2	Stainless steel ▢	Aluminum ▢
Article no.		51382EP-S	51382EP-A
Order no.		2TMA130160X0003	2TMA130160A0023

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Door entry system

ABB-Welcome - Accessories

Jumper
• Jumper set for audio / video handset indoor stations is used to set the address, master / slave indoor station and RC on / off of indoor stations
• Dimensions: 120 x 80 x 10 mm / 4.7 x 3.1 x 0.4 inch

Version	for audio handset indoor station	for 4.3" video handset indoor station
Article no.	52001J	52301J
Order no.	2TMA070180N0008	2TMA070180N0007
Pack Qty	1/10	1/10

Cavity wall set
• For cavity wall mounting of the flush-mounted wall box
• For outdoor station and 4.3" video hands-free
• Dimensions: 120 x 80 x 10 mm / 4.7 x 3.1 x 0.4 inch

Article no.	51021CS
Order no.	2TMA070180N0001
Pack Qty	1/18

Bracket Spare parts
• Bracket spare part for Video Indoor Station 7, Video Indoor Station 4.3 Wifi
• Video Indoor Station 4.3 and Video Indoor Station 4.3 Handset
• Article includes two Bracket Variants, USA and Global Version

Article no.	42471B
Order no.	2TMA220161N0001

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Door entry system
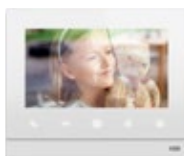
ABB-Welcome - Family home video kits

• Mini video outdoor station, 1 pushbutton, aluminum, with ID card reader • Video Indoor Station 7" Touch	Including: • Mini system controller • Proximity key fob, ID card, white • Proximity key fob, ID card, black • Pre-installation box with FM version	

	Non EU		EU	
Version	**SM**	**FM**	**SM**	**FM**
Article no.	M20421	M20422	M20421-02	M20422-02
Order no.	2TMA220310N0002	2TMA220310N0004	2TMA220310N0003	2TMA220310N0005

• Mini video outdoor station, 1 pushbutton, aluminum, with ID card reader • Video Indoor Station 7"	Including: • Mini system controller • Proximity key fob, ID card, white • Proximity key fob, ID card, black	

Version	**SM**	**FM**
Article no.	M20491	M20492
Order no.	2TMA220301N0001	2TMA220311N0002

• Mini video outdoor station, 1 pushbutton, aluminum, with ID card reader • Video Indoor Station 4.3", Wi-Fi, white	Including: • Mini system controller • Proximity key fob, ID card, white • Proximity key fob, ID card, black • Pre-installation box with FM version	

Version	**SM**	**FM**
Article no.	M20481	M20482
Order no.	2TMA210311N0002	2TMA210311N0003
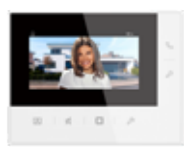
• Mini video outdoor station, 1 pushbutton, aluminum • Video Indoor Station 4.3"	Including: • Mini system controller	

Version	**SM**	**FM**
Article no.	M20521	M20522
Order no.	2TMA220101N0001	2TMA220101N0002
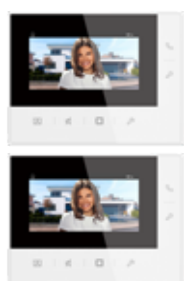
• Mini video outdoor station, 2 pushbutton, aluminum, surface-mounted installation • 2 x Video Indoor Station 4.3	Including: • Mini system controller	

Article no.	M20621	
Order no.	2TMA220101N0005	

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Door entry system
ABB-Welcome - Family home video kits

	• Audio outdoor station, 1 pushbutton, aluminum, flush-mounted installation • Audio handset indoor station, 3 buttons, white	Including: • Mini system controller • Flush-mounted box

Article no.	M20021
Order no.	2TMA210311N0004

	• Video outdoor station, 1 button, aluminum, flush-mounted installation • Video Indoor Station 4.3"	Including: • Mini system controller • Flush-mounted box

Article no.	M20531
Order no.	2TMA220101N0003

	• Video outdoor station, 1 button, aluminum, flush-mounted installation • 7" video hands-free indoor station, white	Including: • Mini system controller • Flush-mounted box

Article no.	M20461
Order no.	2TMA210311N0007

	• Video outdoor station, 1 button, aluminum, flush-mounted installation • Video Indoor Station 4.3", Wi-Fi, white	Including: • Mini system controller • Flush-mounted box

Article no.	M20471
Order no.	2TMA210311N0001

	• Video outdoor station, 1 button, aluminum, flush-mounted installation" • Video Indoor Station 4.3 Handset	Including: • Mini system controller • Flush-mounted box

Article no.	M20541
Order no.	2TMA220101N0004

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ABB-AccessControl
Cylinder - European profile

Cylinder - European half profile and European full profile
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.

• Supported RFID standards: MIFARE (DESFire EV1)
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Battery: 4x LR1 Alkali
• Battery life at 20 °C: up to 130.000 or up to 3 years
• Temperature: -35 °C to 55 °C
• Protection type: up to IP66
• Humidity: 0 to 95%, non-condensing
• Certification symbol: CE, FCC, IC, IP66, EAC, WEEE

European half profile

B	00	30	35	40	45	50
A						
30	1174	1183	1192	1201	1210	1219
35	1175	1184	1193	1202	1211	1220
40	1176	1185	1194	1203	1212	1221
45	1177	1186	1195	1204	1213	1222
50	1178	1187	1196	1205	1214	1223
55	1179	1188	1197	1206	1215	1224
60	1180	1189	1198	1207	1216	1225
65	1181	1190	1199	1208	1217	1226
70	1182	1191	1200	1209	1218	1227

Article no.   D01EU**AABB**03NF1-04   Replace in the article number "**AA**" with measure A
                                            and "**BB**" with measure B

Order no.   2CKA008300A**XXXX**   Replace in the order number "**XXXX**" with
                                            the corresponding code in the measures table
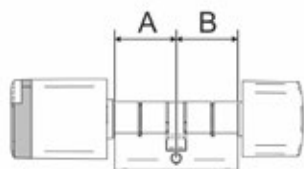
European full profile with thumbturn

B	30	35	40	45	50	55	60	65	70
A									
30	1228	1229	1230	1231	1232	1233	1234	1235	1236
35	1237	1238	1239	1240	1241	1242	1243	1244	1245
40	1246	1247	1248	1249	1250	1251	1252	1253	1254
45	1255	1256	1257	1258	1259	1260	1261	1262	1263
50	1264	1265	1266	1267	1268	1269	1270	1271	1272
55	1273	1274	1275	1276	1277	1278	1279	1280	1281
60	1282	1283	1284	1285	1286	1287	1288	1289	1290
65	1291	1292	1293	1294	1295	1296	1297	1298	1299
70	1300	1301	1302	1303	1304	1305	1306	1307	1308

Article no.   D01EU**AABB**03TF1-04   Replace in the article number "**AA**" with measure A
                                            and "**BB**" with measure B

Order no.   2CKA008300A**XXXX**   Replace in the order number "**XXXX**" with
                                            the corresponding code in the measures table

ABB-AccessControl
Cylinder - European profile, for door with integrated drill and withdrawal protection
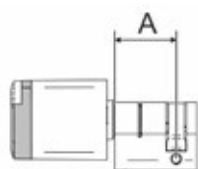
Cylinder - European half profile and European full profile
The cylinder is suitable for any interior or weather-proofed exterior door, making it a very versatile solution. As there is no wiring whatsoever, mounting and replacement is completed in next to no time, whether you are installing a cylinder for the first time or retrofitting. The cylinder can be operated offline, in a local networked configuration or online through internet.

• Supported RFID standards: MIFARE (DESFire EV1)
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Battery: 4x LR1 Alkali
• Battery life at 20 °C: up to 130.000 or up to 3 years
• Temperature: -35 °C to 55 °C
• Protection type: up to IP66
• Humidity: 0 to 95%, non-condensing
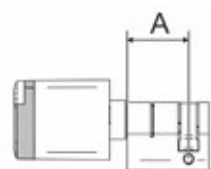• Certification symbol: CE, FCC, IC, IP66, EAC, WEEE

European half profile						
B	**00**	**30**	**35**	**40**	**45**	**50**
A						
30	0711	0720	0729	0738	0747	0756
35	0712	0721	0730	0739	0748	0757
40	0713	0722	0731	0740	0749	0758
45	0714	0723	0732	0741	0750	0759
50	0715	0724	0733	0742	0751	0760
55	0716	0725	0734	0743	0752	0761
60	0717	0726	0735	0744	0753	0762
65	0718	0727	0736	0745	0754	0763
70	0719	0728	0737	0746	0755	0764

Article no.	D01EU**AABB**08NF1-04	Replace in the article number "**AA**" with measure A and "**BB**" with measure B
Order no.	2CKA008300A**XXXX**	Replace in the order number "**XXXX**" with the corresponding code in the measures table
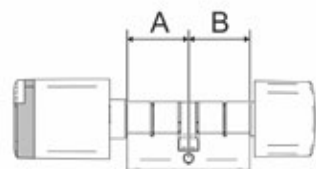
European full profile with thumbturn									
B	**30**	**35**	**40**	**45**	**50**	**55**	**60**	**65**	**70**
A									
30	0765	0766	0767	0768	0769	0770	0771	0772	0773
35	0774	0775	0776	0777	0778	0779	0780	0781	0782
40	0783	0784	0785	0786	0787	0788	0789	0790	0791
45	0792	0793	0794	0795	0796	0797	0798	0799	0800
50	0801	0802	0803	0804	0805	0806	0807	0808	0809
55	0810	0811	0812	0813	0814	0815	0816	0817	0818
60	0819	0820	0821	0822	0823	0824	0825	0826	0827
65	0828	0829	0830	0831	0832	0833	0834	0835	0836
70	0837	0838	0839	0840	0841	0842	0843	0844	0845

Article no.	D01EU**AABB**08TF1-04	Replace in the article number "**AA**" with measure A and "**BB**" with measure B
Order no.	2CKA008300A**XXXX**	Replace in the order number "**XXXX**" with the corresponding code in the measures table

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ABB-AccessControl
Cylinder - Swiss profile

Cylinder - Swiss half profile and Swiss full profile
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
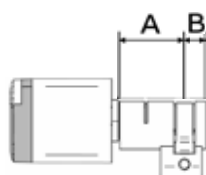or online through internet.

• Supported RFID standards: MIFARE (DESFire EV1)
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Battery: 4x LR1 Alkali
• Battery life at 20 °C: up to 130.000 or up to 3 years
• Temperature: -35 °C to 55 °C
• Protection type: up to IP66
• Humidity: 0 to 95%, non-condensing
• Certification symbol: CE, FCC, IC, IP66, EAC, WEEE

Swiss half profile						
B	00	30	35	40	45	50
A						
30	1309	1318	1327	1336	1345	1354
35	1310	1319	1328	1337	1346	1355
40	1311	1320	1329	1338	1347	1356
45	1312	1321	1330	1339	1348	1357
50	1313	1322	1331	1340	1349	1358
55	1314	1323	1332	1341	1350	1359
60	1315	1324	1333	1342	1351	1360
65	1316	1325	1334	1343	1352	1361
70	1317	1326	1335	1344	1353	1362

Article no.	D01CH**AABB**03NF1-04	Replace in the article number "**AA**" with measure A and "**BB**" with measure B.
Order no.	2CKA008300A**XXXX**	Replace in the order number "**XXXX**" with the corresponding code in the measures table.
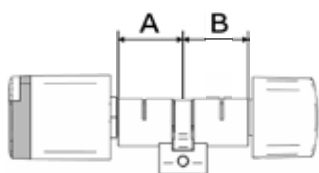
Swiss full profile with thumbturn								
B	30	35	40	45	50	55	60	65	70
A								
30	1363	1364	1365	1366	1367	1368	1369	1370	1371
35	1372	1373	1374	1375	1376	1377	1378	1379	1380
40	1381	1382	1383	1384	1385	1386	1387	1388	1389
45	1390	1391	1392	1393	1394	1395	1396	1397	1398
50	1399	1400	1401	1402	1403	1404	1405	1406	1407
55	1408	1409	1410	1411	1412	1413	1414	1415	1416
60	1417	1418	1419	1420	1421	1422	1423	1424	1425
65	1426	1427	1428	1429	1430	1431	1432	1433	1434
70	1435	1436	1437	1438	1439	1440	1441	1442	1443

Article no.	D01CH**AABB**03TF1-04	Replace in the article number "**AA**" with measure A and "**BB**" with measure B.
Order no.	2CKA008300A**XXXX**	Replace in the order number "**XXXX**" with the corresponding code in the measures table.

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ABB-AccessControl

Cylinder - Swiss profile, for door with integrated drill and withdrawal protection

Cylinder - Swiss half profile and Swiss full profile
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.

- Supported RFID standards: MIFARE (DESFire EV1)
- Radio interface: IEEE 802.15.4 2.4GHz radio
- Battery: 4x LR1 Alkali
- Battery life at 20 °C: up to 130.000 or up to 3 years
- Temperature: -35 °C to 55 °C
- Protection type: up to IP66
- Humidity: 0 to 95%, non-condensing
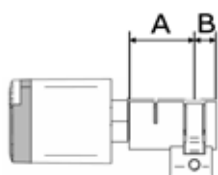- Certification symbol: CE, FCC, IC, IP66, EAC, WEEE

Swiss half profile						
B	00	30	35	40	45	50
A						
30	0848	0857	0866	0875	0884	0893
35	0849	0858	0867	0876	0885	0894
40	0850	0859	0868	0877	0886	0895
45	0851	0860	0869	0878	0887	0896
50	0852	0861	0870	0879	0888	0897
55	0853	0862	0871	0880	0889	0898
60	0854	0863	0872	0881	0890	0899
65	0855	0864	0873	0882	0891	0900
70	0856	0865	0874	0883	0892	0901

Article no.   D01CH**AABB**08NF1-04   Replace in the article number "**AA**" with measure A
                                          and "**BB**" with measure B.

Order no.   2CKA008300A**XXXX**   Replace in the order number "**XXXX**" with
                                          the corresponding code in the measures table.
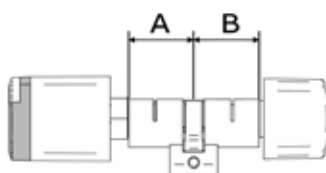
Swiss full profile with thumbturn								
B	30	35	40	45	50	55	60	65	70
A								
30	0902	0903	0904	0905	0906	0907	0908	0909	0910
35	0911	0912	0913	0914	0915	0916	0917	0918	0919
40	0920	0921	0922	0923	0924	0925	0926	0927	0928
45	0929	0930	0931	0932	0933	0934	0935	0936	0937
50	0938	0939	0940	0941	0942	0943	0944	0945	0946
55	0947	0948	0949	0950	0951	0952	0953	0954	0955
60	0956	0957	0958	0959	0960	0961	0962	0963	0964
65	0965	0966	0967	0968	0969	0970	0971	0972	0973
70	0974	0975	0976	0977	0978	0979	0980	0981	0982

Article no.   D01CH**AABB**08TF1-04   Replace in the article number "**AA**" with measure A
                                          and "**BB**" with measure B.

Order no.   2CKA008300A**XXXX**   Replace in the order number "**XXXX**" with
                                          the corresponding code in the measures table.

ABB-AccessControl
Cylinder - ANSI profile

Cylinder - Mortise profile, RIM US profile for standard & Schlage® B-Series deadbolt
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.

• Supported RFID standards: MIFARE (DESFire EV1)
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Battery: 4x LR1 Alkali
• Battery life at 20 °C: up to 130.000 or up to 3 years
• Temperature: -35 °C to 55 °C
• Protection type: up to IP66
• Humidity: 0 to 95%, non-condensing
• Certification symbol: CE, FCC, IC, IP66, EAC, WEEE

Mortice profile			
Dimension	32/00	35/00	38/00
Article no.	D01MO320003NF1-04	D01MO350003NF1-04	D01MO380003NF1-04
Order no.	2CKA008300A0986	2CKA008300A0987	2CKA008300A0988
Dimension	41/00	44/00	50/00
Article no.	D01MO410003NF1-04	D01MO440003NF1-04	D01MO500003NF1-04
Order no.	2CKA008300A0989	2CKA008300A0990	2CKA008300A0991

Latch cylinder for standard deadbolt	
Dimension	00/00
Article no.	D01US000003NF1-04
Order no.	2CKA008300A0983

Latch cylinder for standard deadbolt	
Dimension	32/00
Article no.	D01DB000003NF1-04
Order no.	2CKA008300A1015

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ABB-AccessControl
System devices

Shared features:
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Power supply: 24 V DC
• Temperature: -10 °C to +45 °C
• Protection type: IP30
• Vandal proof: IK07
• Humidity: 0 to 95%, non-condensing

Smart Access Point Pro
A central management device of AccessControl and Welcome IP, 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.

• Easy to commissioning
• Access rights for full management
• 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
• Integrated chimey, easy for retrofit
• Dimension: 204 × 132 × 32 mm / 8 x 5.2 x 1.25 inch
• Operating mode: LAN / WiFi-Client / WiFi-AP
• 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
• PoE (Power over Ethernet)

Article no.	D04011
Order no.	2TMA400260W0002

RF repeater
RF repeater is for indoor applications, wireless extension of radio range by integrated antenna. No network knowledge is required for the wireless network. The RF repeater is available in the elegant housings and can be combined with all VDE boxes, and also can be surface-mounted on the wall.

• Scale up system topology easily
• Easy and fast configuration
• Firmware update remotely
• Dimension: 90 x 90 x 28 mm / 3.5 x 3.5 x 1.1 inch

Article no.	D04021
Order no.	2TMA400260W0003

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ABB-AccessControl

Accessories

RF/IP Gateway

RF/IP Gateway is an easy solution to connect the cylinders to IP platform, so it is one important device to extend the AC solution from residential to commercial, support more than 16 doors, even there is long distance between each door.

• Scale up wireless access control system topology easily
• One RF/IP gateway can support another 16 cylinders
• Maximum 64 gateways can be connected
• Easy and fast configuration
• Graphical visual configuration through SmartAP web-based interface,
  pair and link the locks simply and fast
• Different power solution to meet different requests
• PoE
• Power supply: 24 V DC
• Firmware update remotely through SmartAP and APP
• Dimension: 107 × 109 × 30 mm / 4.2 x 4.3 x 1.2 inch
• Radio interface: IEEE 802.15.4 2.4GHz radio
• Power supply: 24 V DC
• Temperature: -10 °C to +45 °C
• Protection type: IP30
• Vandal proof: IK07
• Humidity: 0 to 95%, non-condensing

Article no.	D04031
Order no.	2TMA400260W0013

Tag

The tag is based on RFID chip technology. Available in electronic cylinders and ABB outdoor readers. With a special encryption to ensure secure controlled access.

• 13.56 MHz contactless RFID identification, DESfireEV1 (256, 2K, 4K, 8K bytes)
• Compatible in all ABB devices
• Modern design with ID-number layout
• Waterproof
• 13.56 MHz, Mifare DESfireEV1 chip

Version	White ▢	Grey ▨	Black ■
Article no.	D081WH-04	D081GY-04	D081BK-04
Order no.	2CKA008300A1001	2CKA008300A1002	2CKA008300A1004

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ABB-AccessControl
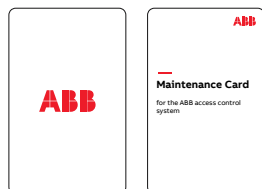
Accessories

Maintenance tool

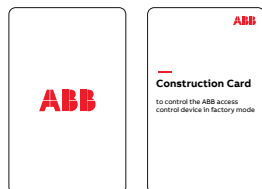A tool for disassembling / mounting the knob, to install in new door, or replace battery.

Article no.	D080MT-04
Order no.	2CKA0083000A1006

Maintentance card

Maintenance card to activate the digital cylinder into the smart access point.

Article no.	D080MC-04
Order no.	2CKA0083000A1007

Construction card

Construction to control the digital cylinder in factory mode.

Article no.	D080CC-04
Order no.	2CKA0083000A1012

Battery pack LR1

Spare part, batteries already included in the digital cylinder package.

Article no.	D080BT-03
Order no.	2CKA0083000A1013

ABB

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ABB Ltd.

More information

9AKK108467A1927, REV.C