



New Product 2013

More Flexibility And Simplicity The New Door Entry System Welcome M



Easy life style

Flexibility, simplicity and elegance are becoming key factors for enjoyable communication experience between indoors and outdoors. With ABB's Welcome M range door entry system, everything becomes possible. Welcome M makes life easier.

Welcome M

Leading to flexible and simple world

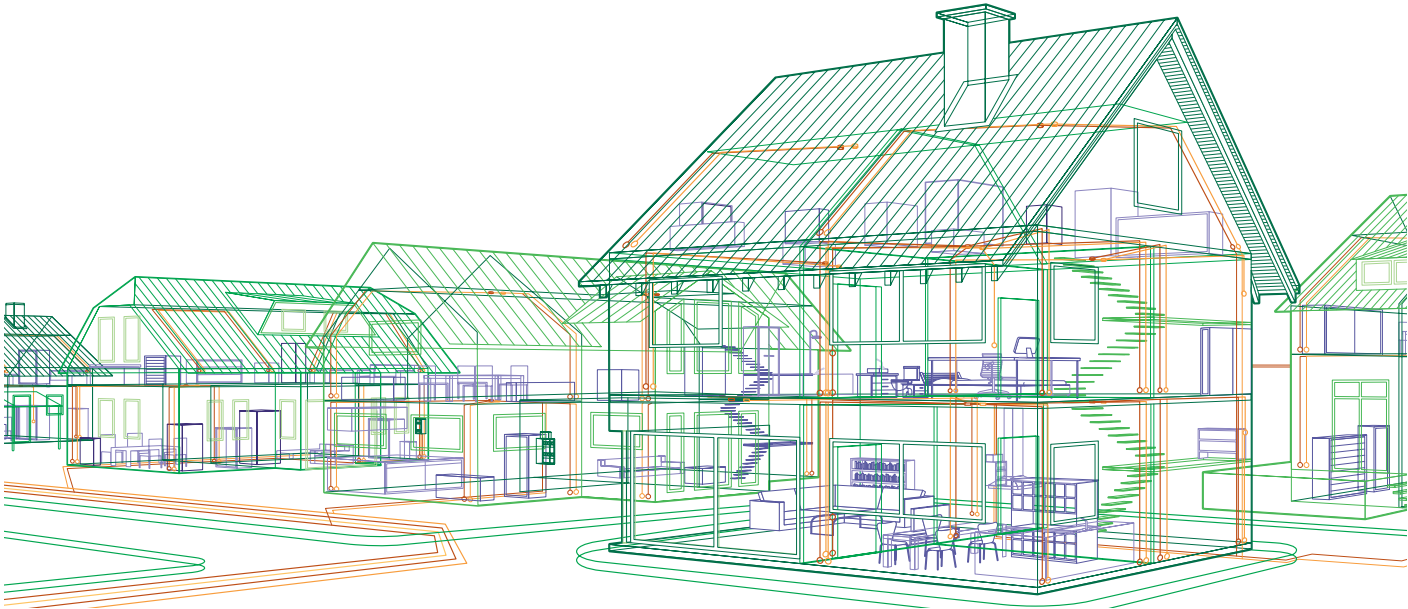
Thanks to the modular design and extreme versatile 2-wire bus system, the new Welcome M range is designed with the concept of flexibility, simplicity and elegance. Therefore installation and usage become much easier and more comfortable.

Welcome M is what you are looking for. It turns the dreams of installers and end users into reality.



Flexibility

One solution for all requirements



With the wide range of well-designed products, Welcome M answers to all your needs in any context, no matter for new construction or for renovation of old buildings.

No matter in single family house, multi-family house, high-rise building with more than 200 apartments or in residential complex with higher security requirement to screen incoming calls, Welcome M provide solution for all the requirements.



- 01 One-family house
- 02 Multi-family house
- 03 Apartment building
- 04 High rise building
- 05 Residential Complex

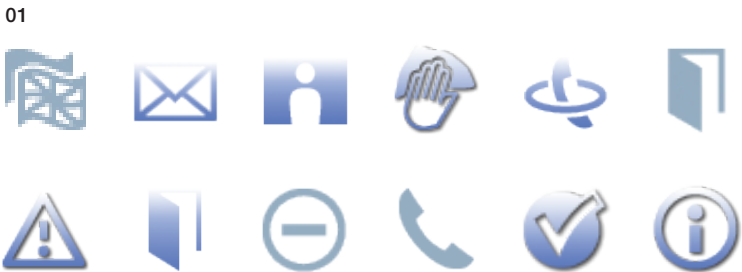
Simplicity

Less effort in all aspects



Operation is as easy as saying "hello". Thanks to its up-to-date design, operation of indoor station is very easy and simple. Whether for residents or guests, its simple operation and intuitive symbols for basic functions always make people feel familiar with it at a glance.

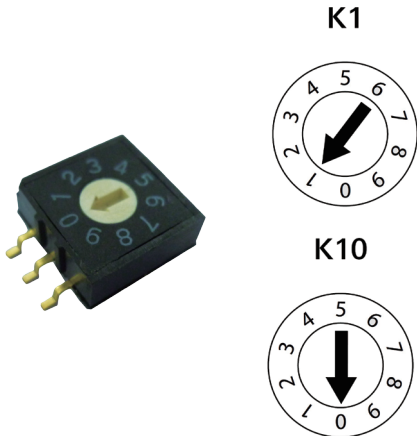
The GUI of the indoor station is designed in intuitive symbol , which is easy to understand and operate. Even a child can use it freely.



01 GUI of the video indoor station



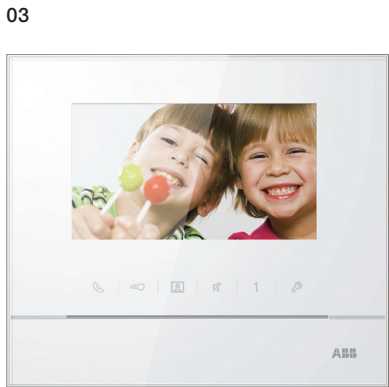
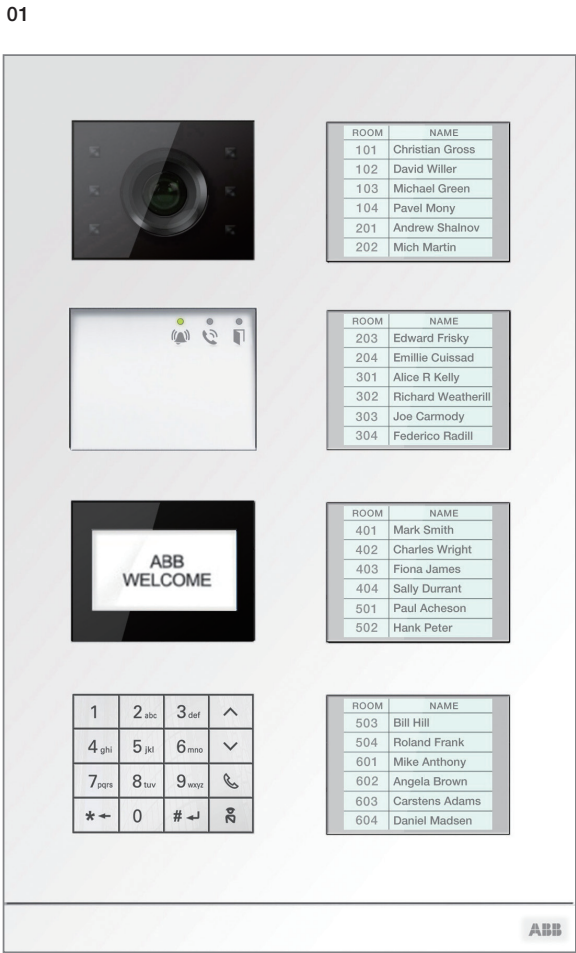
Installation is as easy as 1-2-3. The screwless snap-on mechanical design is consistent between outdoor station and indoor station. It makes installation an easy, quick and enjoyable experience for both surface and flush mounted versions.



Commissioning is as easy as A-B-C. A small step in science and technology means a significant step in work and life. Thanks to the decimal rotary switches or decimal jumpers design, commissioning, which is often time consuming, complex and expensive, becomes much easier and more economical.

Elegance

Designed to please



With its inborn elegance, Welcome M is designed to offer you pleasure of mind with modern style, concise and simple outlook. More than just a rigorous door entry system, Welcome M helps you to create an atmosphere of comfort, harmony and style in the house. Simple but impressive, it is Welcome M.

01 ABB-Welcome M Video keypad outdoor station
02 ABB-Welcome M Video pushbutton outdoor station
03 ABB-Welcome M 4.3" Video hands-free indoor station
04 ABB-Welcome M 4.3" Video handset indoor station
05 ABB-Welcome M 7" Video hands-free indoor station
06 ABB-Welcome M Audio handset indoor station

Outdoor Station

Reliable, more than beautiful

Built to last by the enduring quality. The birth of outdoor station is a road full of stringent tests under simulated conditions: tropical heat up to 70°C, extreme cold down to -40°C, salty sea air, heavy rainy situation, long-term impact of ultra violet causing color variation, Electromagnetic Compatibility, Disabled Discrimination Act, ROHS, static current etc. Every button, housing and seal will go through all different kinds of physical maltreatment for thousands of times before it finally finds its way into customers' hands.



Extremely hot	Extremely cold
Lightening protection	Antistatic

- Vandal proof: IK07
- Water proof: IP55
- Camera angle: 104°

Outdoor Station

Design meets functionality



Super anti-fog
 The camera module is applied with super anti-fog coating and in-built heater. Such double protection can ensure the clearest image in foggy environment. Even in the most humid weather, outdoor station can still work properly with a clear view.



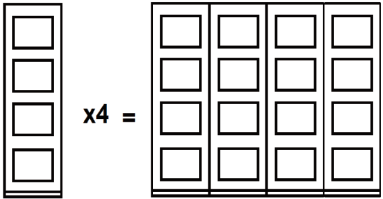
IR lighting
 The host can see the facial features of the visitor clearly even when it is dark. This is ensured by the camera with additional infrared LED illumination, which is undetectable for visitor.



Automatic night illumination
 When it is dark, the backlight of the button will switch on automatically by light sensor, which is integrated in the audio module.



- 01 ABB-Welcome M outdoor station cover frame, 1 module, Dimensions:128 x 125 x 19 mm
- 02 ABB-Welcome M outdoor station cover frame, 2 modules, Dimensions:201 x 125 x 19 mm
- 03 ABB-Welcome M outdoor station cover frame, 3 modules, Dimensions:274 x 125 x 19 mm
- 04 ABB-Welcome M outdoor station cover frame, 4 modules, Dimensions:347 x 125 x 19 mm
- 05 ABB-Welcome M outdoor station cover frame, 6 modules, Dimensions:274 x 230 x 19 mm
- 06 ABB-Welcome M outdoor station cover frame, 8 modules, Dimensions:347 x 230 x 19 mm



*Remarks: For 04, it is ok to combine 4 frames together for extension

Outdoor Station

Flexibility, more through less



Infinite possibilities with only 9 function modules. Customer's requirements vary and multiply constantly, but the stock always calls for the least and after sales services calls for quick replacement. That is why ABB Welcome M adopts a quite simple designing principle: modular and with as less modules as possible.

- 01 ABB-Welcome M Camera module
- 02 ABB-Welcome M Display module
- 03 ABB-Welcome M Nameplate module
- 04 ABB-Welcome M Audio module, no buttons
- 05 ABB-Welcome M Audio module, 1/2 buttons
- 06 ABB-Welcome M Audio module, 2/4 buttons
- 07 ABB-Welcome M Pushbutton module, 3/6 buttons
- 08 ABB-Welcome M Pushbutton module, 4/8 buttons
- 09 ABB-Welcome M Keypad module



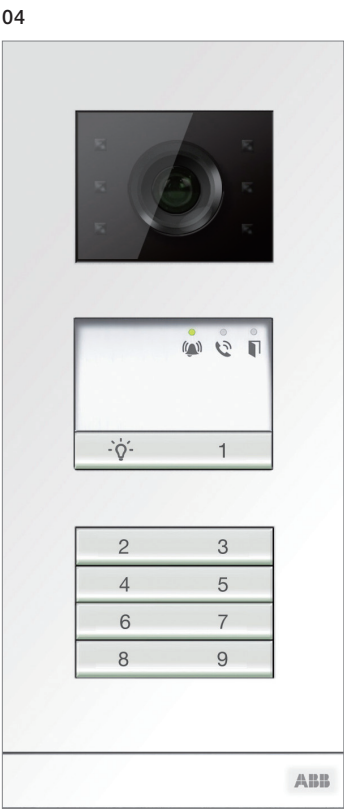
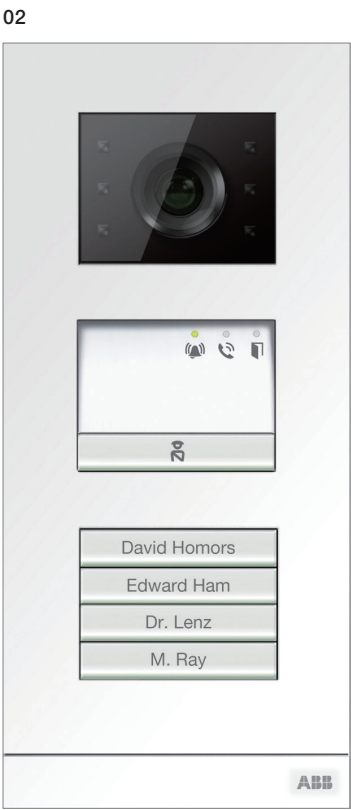
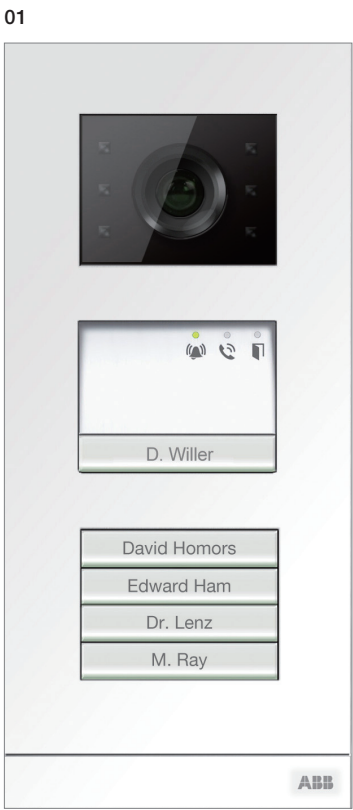
Modular design means more flexibility. For a single family house, many combinations of outdoor stations are possible to create the desired solution according to the requirements of building owner, architecture specification and asthetic taste of end users.



Outdoor Station

Flexibility, many through one

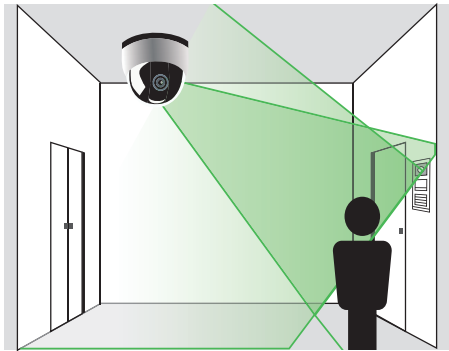
Flexibility through multi-mode. The magic to make single product behave as many products lies in different setting modes. The button of audio module can be set with many functions, such as calling guard unit or switching on light according to requirements.



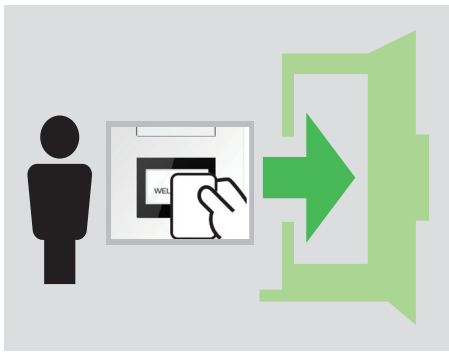
- 01 ABB-Welcome M outdoor station, 5 direct call buttons
- 02 ABB-Welcome M outdoor station, calling guard unit button and 4 direct call buttons
- 03 ABB-Welcome M outdoor station, 10 direct call buttons in digital numbers
- 04 ABB-Welcome M outdoor station, 1 light switching-on button and 9 direct call buttons in digital numbers
- 05 ABB-Welcome M outdoor station, 1 light switching-on button,1 calling guard unit button and 8 direct call buttons in digital numbers

Outdoor Station

Intergration for more



Camera module integration. When video outdoor station is integrated with an analog camera, the field of vision and monitoring range will be significantly enlarged. In addition, residents are free to switch between the inbuilt camera on outdoor station and the additional analog camera for surveillance purpose through cyclic selection among all outdoor stations, no matter in standby or during video conversation with visitors.

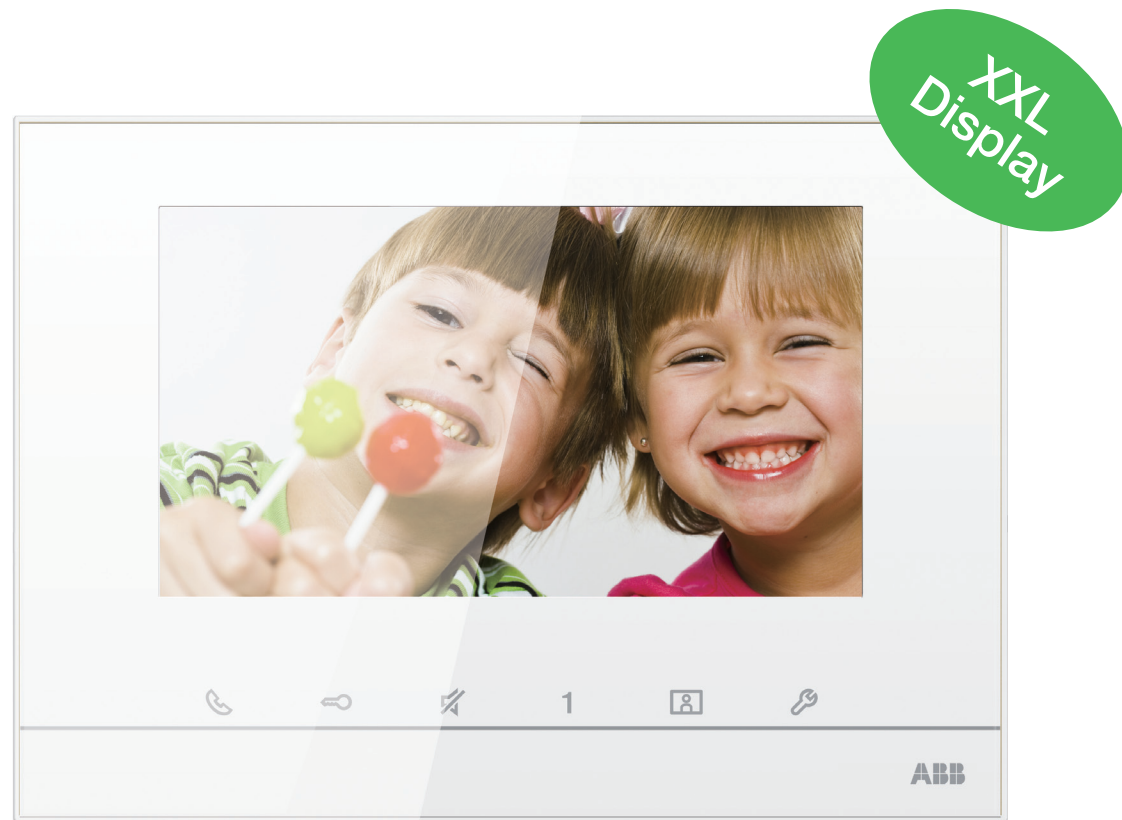


Display module integration. Access control is also available in Welcome M. Proximity reader is integrated in LCD module for convenient access for authorized users. The in-built Wiegand output make it easier to integrate into a third party controller.

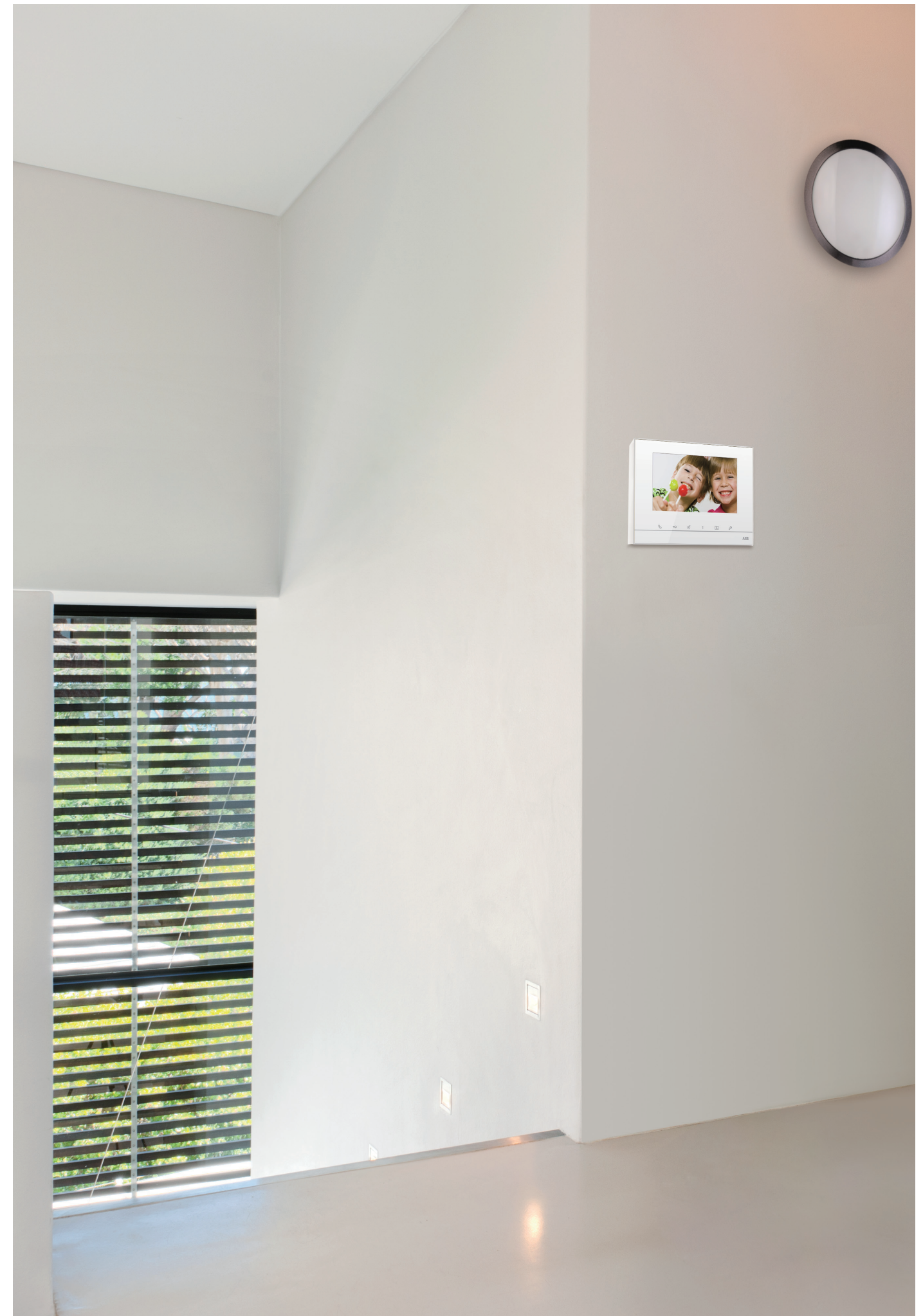


Keypad module integration. The keypad module even can be used for keyless access. The password for access can be customized. Users can set respective passwords for themselves through setting in the video indoor station.

Video Indoor Station 7" Hands-free



Comfortable to see and touch. The high-resolution XXL touch display with 17.8 cm (7") diagonal screen can show all hidden details at the front door. Touchable design is also more friendly to interact with the system, which makes your life more comfortable and convenient.



Video Indoor Station

7" Hands-free



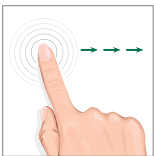
Style marries functionality. This is where personal style finds expression in the furnishings and the demand on comfort through innovative technology. Nothing will be neglected, if required. For continuous monitor of the home, all pictures of visitors are stored and archived, either manually during conversation or automatically with three pictures after bell ringing in your absence.

01

02

01 ABB-Welcome M 7" Indoor Station white

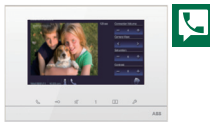
02 ABB-Welcome M 7" Indoor Station black



Touch screen
 Touchable design makes operation of indoor station more comfortable, simply by touching with 1 finger.



Flexible digital picture frame.
 When the indoor station is not being used, its appearance will add to the decor of the room. With a commercially available SD card you can additionally display high-resolution files from the computer or camera directly on the touch display



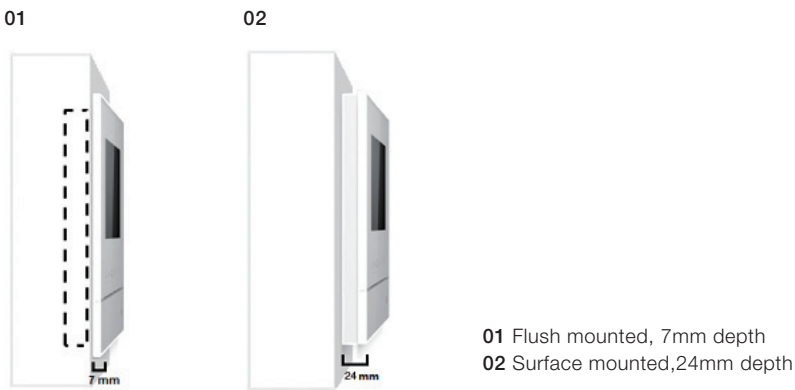
Messages leaving
 If you are not at home, you can record and leave a message before leaving home to notify possible visitors.

Video Indoor Station

4.3" Hands-free



Born to adapt. The simple, elegant, modern but discreet 4.3" handsfree indoor station is perfect in any living environment – no matter flush mounted, surface mounted, or desk base Version. The big color screen and backlit soft-touch buttons make it an unmistakable device.



Video Indoor Station

4.3" Hands-free



Change the outlook at your wishes. Thanks to the soft touch button and easily dismountable frame, Welcome M 4.3" video indoor station makes it possible to change the frame with 5 color options according to your mood.



Communication
Accept and conclude calls; activate the pager function.



Door opener
Open electric door lock; activate automatic unlock function.



Surveillance
Surveil default OS, switch the picture between different outdoor stations and analog cameras.Snap-shoot of the picture of the calling;



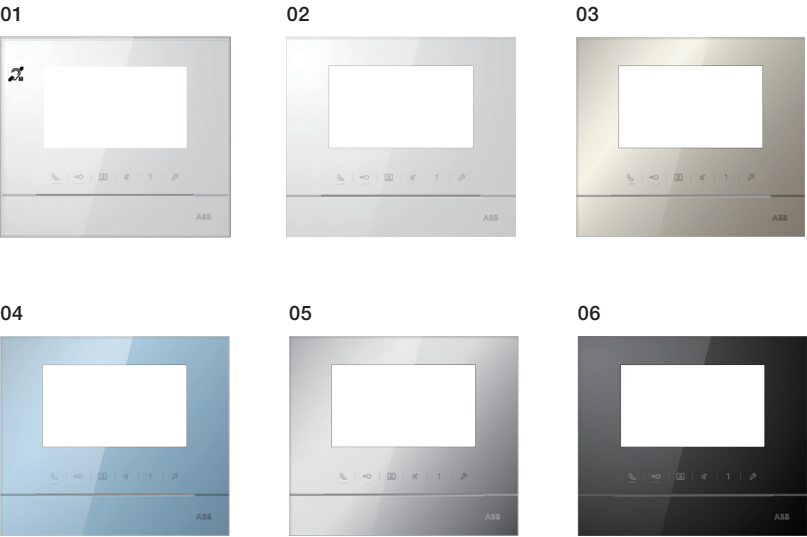
Mute function
Switch off the microphone of indoor station during a conversation; mute one/all indoor station if there are more than one indoor stations during call request.



Programmable button
For customized function, e.g. intercom, second lock control, relay actuator control for light switch or additional lock, etc.



Settings
Individually configure the device.



- 01 ABB-Welcome M 4.3" Video hands-free indoor station front cover, with inductive loop
- 02 ABB-Welcome M 4.3" Video hands-free indoor station front cover, white
- 03 ABB-Welcome M 4.3" Video hands-free indoor station front cover, golden
- 04 ABB-Welcome M 4.3" Video hands-free indoor station front cover, light blue
- 05 ABB-Welcome M 4.3" Video hands-free indoor station front cover, silver
- 06 ABB-Welcome M 4.3" Video hands-free indoor station front cover, black

Video Indoor Station

4.3" Handset

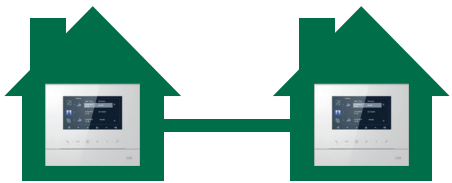


So much less and so much more. 43 mm depth video handset is so far one of the thinnest in the market. But it is loved, not just because of its remarkable sleek shape, sensitive and illuminated touch button, or powerful functionalities. It is all those things plus the intuitive user experience for even the group with hearing aids.

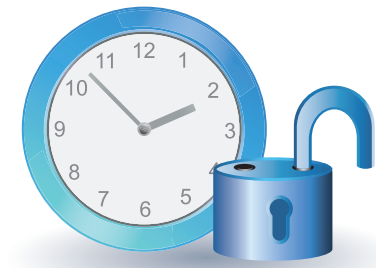


Indoor Station

Advanced features



Intercom
Intercom within and among other apartments are available . To be convenient, the name can be edited. To be safe, the unwanted caller can be set in black list. Pager function is also possible among parallel 4.3" video hands-free and handset indoor stations.

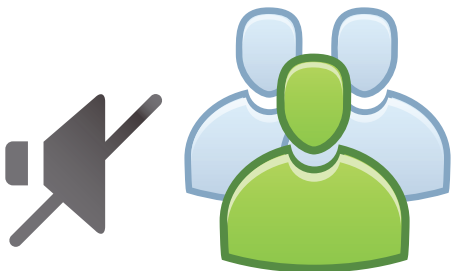
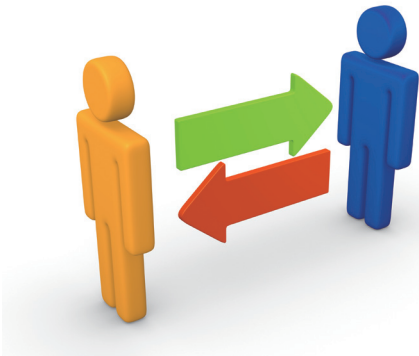


Automatic unlock
No matter simple on/off setting, or advanced automatic unlock between 2 time ranges (e.g. 8:30~12:00 & 14:00~17:30) , indoor station is perfectly competent.

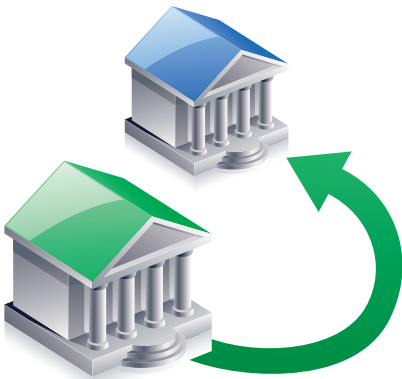
Image saving
Comfort and security.
Users can either manually snap-shoot the images of visitors during conversation or automatically done after bell ringing in your absence.



Interact with guard unit
Call, intercom, or even send SOS message to guard unit is easy. It is also possible to let guard unit intercept (available to all end users or just selected VIPs) visitor's call first before taking a call.

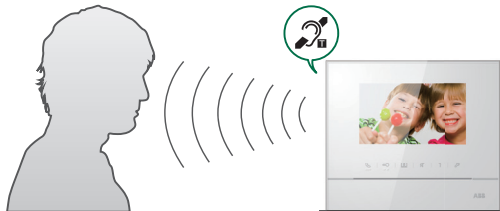


Mute one and mute all
It is a very nice function to mute indoor station to avoid interruption. What is more fantastic is that it is possible to choose whether mute just one indoor station or all the paralleled ones in the same apartment



Call forward
Like a loyal dog at your service in 7-24-365 manner, it is possible to forward the income calling when absent from home to your neighbors or security guard who will take care of your visitors.

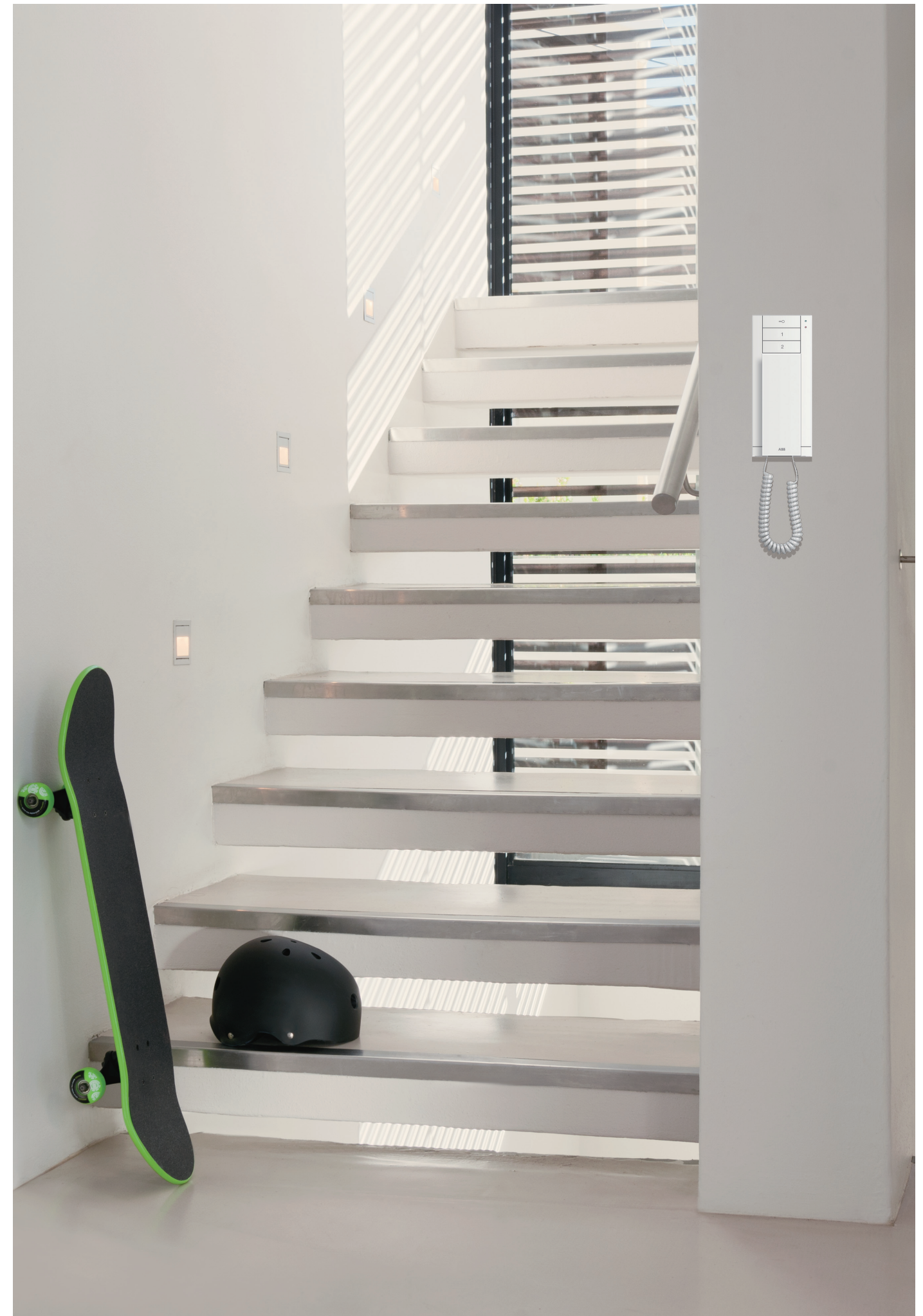
Humanized design
Outdoor station can signal communication status with both LEDs and voice broadcast. As for indoor station, electromagnetic signals will be emitted with a special inductive loop for audial indication of any incoming calls. From now on, Welcome M is more accessible to people with different disabilities.



Audio Indoor Station Handset



Loving it is easy as it is so comfortable to push. XXL size button ensures a real comfortable feel, especially with the intuitive symbols and indicative LEDs. Besides, functions are never a problem in its design, e.g. automatic unlock, door status check, second lock release or even calling the security guard, etc.



Capacity and Topology

- 2 wire through out
- 2 locks possible for one outdoor station
- 9 outdoor stations for one building
- 9 guard units
- 60 buildings
- 250 indoor stations for one building
- 600 meters from gate station to last indoor station



	ABB-Welcome M Video Outdoor Station		ABB-Welcome M 7" Video Hands-free Indoor Station		ABB-Welcome M System Controller		2-Wire Bus Line
	ABB-Welcome M Audio Outdoor Station		ABB-Welcome M 4.3" Video Hands-free Indoor Station		ABB-Welcome M Indoor Station Distributor		Wire
	ABB-Welcome M Video Gate Station		ABB-Welcome M 4.3" Video Handset Indoor Station		ABB-Welcome M Gateway		Main Entrance
			ABB-Welcome M Audio Handset Indoor Station		ABB-Welcome M Floor Gateway		Analog camera
					ABB-Welcome M Guard Unit		
					Electronic Door Opener		

Welcome M

Technical Data

ABB-Welcome M Camera module

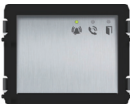
Features:



- Scratch and fire resistant finish
- Video camera with large detection angle (H 86°, V 67°, D 104°) and manually mechanical adjustment (H ± 15°, V ± 15°)
- Anti-fog design with in-built heater
- In-built infrared lighting ensure clear picture at night
- Secret "surveillance" enables user to surveil one area through the camera of the outdoor station, whose backlight will not be switched on.
- Optional to connect one additional output of camera for surveillance inside the video indoor station
- Optional to choose the standard of the video signal, either PAL or NTSC (according to the local power frequency) for clear video quality.
- Waterproof: IP55, vandal proof: IK07

ABB-Welcome M Audio module

Features:



- 1 output for door opener without the need of additional power supply.
- 1 output for floating output, door opener (30V AC/DC 1A)
- 1 input for door status check
- 1 input for exit push button
- 2 options: aluminum brush and white coating
- 4 options of functions: audio without push button, audio with 1 row of push button, audio with 2 rows of push buttons, audio without push button but with speech synthesis
- 3 led indications: call established / system busy, communication possible, door unlocked
- Adjustable feedback ringtone of push button
- Adjustable lock release time
- Adjustable speaker volume
- Integrated optic sensor for day/night mode.
- Mode setting for the first/second button as switch on lightings, call indoor station or call guard unit
- Mode setting for push button as single column or double columns
- Waterproof: IP55, vandal proof: IK07

ABB-Welcome M Keypad module

Features:



- Name scrolling by up and down or by inputting letters of the calling name(display must be accompanied, sorting is progressive upon inputting next letter of name)
- The calling code can be pure number or the combination of number and letter.
- Call can be activated automatically or by pressing " " after inputting code.
- Download name directory from PC or directly enter to edit from the keyboard
- Up to 3000 names.
- Public password and up to 6000 customized passwords are allowed
- Repeatedly inputting wrong password will be locked.
- Password can be set with 6~8 digits
- Calling code can be set with 1~6 digits
- Call guard unit is available
- Backlight ensures clear visibility at night
- Waterproof: IP55, vandal proof: IK07

ABB-Welcome M Pushbutton module

Features:



- Two options of article: 3 rows and 4 rows
- Two options: single column or double columns
- Extractable nameplate by tool without the need to disassemble the panel
- Backlight ensures clear visibility at night
- UV resistant
- Waterproof: IP55, vandal proof: IK07

ABB-Welcome M Display module

Features:



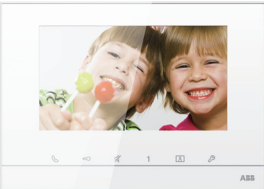
- 2 options for in-built RFID proximity reader: ID card and Mifare card
- Wiegand output available
- Up to 3000 different cards
- Register and delete cards locally in setting menu
- Different feedback sounds when accepting or rejecting the reading card
- Customized message is programmable
- Withstand down to -40°C
- Waterproof: IP55, vandal-proof: IK07

Welcome M

Technical Data

ABB-Welcome M 7" Video hands-free indoor station

Features:



- 3 different colors of appearance to meet personal esthetic preference
- Large 17.8 cm (7") color display with intuitive touch control
- High-quality color TFT touch display with a resolution of 800 x 480 pixel
- Image can be saved in SD card
- Extra button for customization like intercom, call guard unit, unlock additional door, etc.
- Leave a recorded message to family members or visitors when leaving home and vice versa
- Visual indication of the door when it is open exceed its setting time (Sensor must be connected first)
- Call transfer among different apartments and guard unit
- Set customized door open password
- Blacklist is used to prevent unwanted call from other apartment(s)
- Doctor function for automatic unlock upon setting
- Mute one indoor station or all indoor stations in the same apartment
- Send SOS alarm to guard unit in emergency
- Allow 5 ringtones to differentiate a call from default OS / other OS / door bell / intercom / guard unit
- 5-level adjustable volume
- Electronic picture frame can be selected in standby mode
- Get the user manual link easily by scanning the QR-code displayed in the screen
- One-man commissioning with decimal rotary switches
- Surface mounted, desktop mounted(with desktop-bracket) are optional

ABB-Welcome M 4.3" Video hands-free indoor station

Features:



- 5 different colors of face cover easily changeable to meet personal esthetic preference
- 4.3" display with 6 touch-sensitive buttons (resolution of 480*272 pixel)
- OSD menu with user friendly icons
- Extra button for customization like intercom, call guard unit, unlock additional door, etc.
- Pager function is available for parallel indoor stations
- Up to 60 images can be saved
- Visual indication of the door when it is open exceed its setting time (Sensor must be connected first)
- Call transfer among different apartments and guard unit.
- Push to talk in case in noisy situation
- Set customized door open password
- Blacklist is used to prevent unwanted call from other apartment(s)
- Doctor function for automatic unlock upon setting
- Mute one indoor station or all indoor stations in the same apartment
- Send SOS alarm to guard unit in emergency
- Allow 5 ringtones to differentiate a call from default OS / other OS / door bell / intercom / guard unit
- 5-level adjustable volume

- Special mark on communication & unlock button fitted for the blind
- Get the user manual link easily by scanning the QR-code displayed in the screen
- Option to be fitted with induction loop for the deaf
- Up to 250 addresses are available for programming
- One-man commissioning with decimal rotary switches
- Surface mounted, flush mounted and desktop mounted (with the desktop bracket) are optional

ABB-Welcome M 4.3" Video handset indoor station

Features:



- B/W version and color version for option
- 4.3" display with 6 touch-sensitive buttons (resolution of 480*272 pixel)
- Slim indoor station with handset(depth of 43mm).
- OSD menu with user friendly icons
- Extra buttons for customization like intercom, call guard unit, unlock additional door, etc.
- Pager function is available for parallel indoor stations
- Up to 25 images can be saved(only color version)
- Visual indication of the door when it is open exceed its setting time (Sensor must be connected first)
- Call transfer among different apartments and guard unit.
- Set customized door open password
- Blacklist is used to prevent unwanted call from other apartment(s)
- Doctor function for automatic unlock upon setting
- Mute one indoor station or all indoor stations in the same apartment
- Allow 5 ringtones to differentiate a call from default OS / other OS / door bell / intercom / guard unit
- 5-level adjustable volume
- Special mark on unlock button fitted for the blind
- Get the user manual link easily by scanning the QR-code displayed in the screen
- Option to be fitted with induction loop for the deaf
- Up to 250 addresses are available for programming
- One-man commissioning with decimal jumpers
- Both surface mounted and desktop mounted (with the desktop bracket)are optional

ABB-Welcome M Audio handset indoor station

Features:



- Big operation button (3 or 6 buttons are optional)
- One-man commissioning with decimal jumpers
- Extra buttons for customization like intercom, call guard unit, unlock additional door, etc.
- 5 ringtones for different call sources
- 3-level adjustable volume(max-mid-mute)
- Doctor function for automatic unlock upon setting
- Visual indication of the door when it is open exceed its setting time (Sensor must be connected first)
- Option to be fitted with induction loop for the deaf
- Surface mounted

Welcome M

Technical Data

ABB-Welcome M Gateway

Features:



- 5 different modes setting by dip-switches
- As apartment gateway: enable one apartment as an independent sub-system(2nd confirmed outdoor station can be connected), support up to 99 such systems within the whole system
- As floor gateway: enable multi-apartments as an independent sub-system(another outdoor station can be connected, for example in front of the door of floor with multi-apartments)
- As building gateway: enable one building as an independent sub-system(outdoor station/guard unit can be connected), support up to 60 such systems within the whole system
- As auxiliary BUS power supply interface: enable to provide additional power source with another system controller
- As line amplifier: strengthen the video signal and extend transmission distance by 200 meters
- DIN Rail mounted, 4U

ABB-Welcome M System controller

Features:



- Control the entire system, the "brain" of the individual system
- Over-heat protection, over-current protection, lightening protection
- Two working modes to switch between "all on" and "one on"
- Up to 50 apartments with one 4.3" indoor station per apartment
- As auxiliary BUS power supply when connecting to gateway under certain mode
- Rated current :1.2A
- DIN Rail mounted, 8U

ABB-Welcome M Relay actuator

Features:



- 1 output for connecting an electronic lock or light
- 1 output for local push button
- 3 working modes: extend door bell, switch on lightings, door lock release
- The switching duration of unlock or switch on lightings is adjustable
- Flush-mounted

ABB-Welcome M Mini system controller

Features:



- Control the entire system, the "brain" of the individual system
- Over-heat protection, over-current protection, lightening protection
- Two working modes to switch between "all on" and "one on"
- For villa, multi-apartment audio system or small video system
- As auxiliary BUS power supply when connecting to gateway under certain mode
- Rated current: 0.7A
- DIN Rail mounted,4U

ABB-Welcome M video distributor

Features:



- Up to 4 way outputs connected to different apartments or different risers
- Required when installing stub lines
- Flush-mounted and surface mounted

ABB-Welcome M Guard unit

Features:



- 4.3" touch screen for intuitive operation(resolution of 480*272 pixel)
- 6 touch-sensitive buttons
- Intercom between guard unit and indoor station, outdoor station or other guard unit.
- Manually or automatically set the intercept mode, to increase the security for all users or only VIPs
- Name scrolling by up and down or efficiently by inputting letters of the calling name(sorting is progressive upon inputting next letter of name)
- The calling code can be pure number or the combination of number and letter.
- Download name directory from PC by USB interface or directly enter to edit from the screen
- Up to 1000 names can be stored.
- Activate the switch actuator connected in the system
- Surveillance through the camera of outdoor stations or integrated analog camera
- Review unanswered calls and alarm messages stored in the memory
- Allow 5 ringtones to differentiate a call from default OS / other OS / indoor station / door bell / guard unit
- Get the user manual link easily by scanning the QR-code displayed in the screen
- Separate basic and advanced setting to improve the management security.
- Total up to 9 guard units for each building
- Both surface mounted and desktop mounted (with desktop bracket)are optional

ABB-Welcome M Outdoor video distributor

Features:



- 2 way inputs connected different outdoor stations
- Used in buildings with more than one video outdoor station
- DIN Rail mounted, 2U

Contact us

ABB (United Arab Emirates)

Industries(L.L.C)
P.O.Box 11070 Dubai-UAE
T : +971-4-3147 586
F : +971-4-3401 541

ABB(Turkey) Eletrik San.AS

ABB ELEKTRIK SANAYI AS.
ORGANIZE SANAYI BOLGESI
2.CADDE
NO:16 Y.DUDULLU-ISTANBUL
T : +90 216 528 2281
F : +90 216 528 2945

ABB (Thailand) Limited

61/1 SG Tower; Soi Mahatlekluang 3;
Rajdamri Road 10330, Bangkok,
THAILAND
T : +6626651000
F : +6626651043

ABB(Korea) Ltd.

Oksan Bldg, 10th Fl. 157-33
Samsung-dong
Kangnam-ku, 135000, Seoul, Korea
T: +82 2 528 3177
F:+ 82 2 528 2350

ABB (India) Limited.

Plot No.1, Sector-1B, I.I.E.SIDCUL,
Haridwar-249403.India
T : +91 1334 235447
F : +91 1334 235449

ABB Australia Pty Limited

601 Blackburn Road
3168, Notting Hill, Victoria, Austrilia
T : +61 3 8544 0139
F : +61 3 9545 0415

ABB (Vietnam) Ltd.

Kmg. National Road 1A,
Hanai Vietnam
T : +84 4 3861 1010
F : +84 4 3861 1009

ABB (Russia) Ltd.

3121 WIRING ACCESSORIES
30/1 bld.2, Obrucheva str.RU
T : +7 495 9602200
F : +7 495 9602220

ABB Malaysia Sdn Bhd

Block A, Level2, Lot 608, Jalan
SS13/IK 47500 Subang Jaya
Selangor
Darul Ehsan, Malaysia
T : +603-5628 4888
F : +603-5635 8200

ABB (Hong Kong) Limited

3Dai Hei Street, Tai Po Industrial
Estate, Tai po, Hong Kong
T : +852 2929 3912
F : +852 2929 3505

www.abb.com