

# SMART BUILDING CONCEPTS

INTEGRATED SOLUTIONS FOR THE FUTURE



KNX System devices

Optimal  
KNX Infrastructure



DesignTalent

Exclusive in  
Design and Material

ComBridge

Smart Home  
Remotely Controlled



DaliControl

Digital  
Way of Lighting



AXESSE

Intelligent  
KNX Access Control



IPInterfaces

Link to  
Automation and  
Management



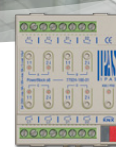
ComBridge

More Energy  
Efficiency in Smart  
Buildings



Actuators

Multiple  
Function and Size



The information in this brochure contains details and features that may differ from those described in individual cases or may be subject to technical changes.





## **IPAS – Partner for individual solutions**

Since its establishment in 1996, IPAS has continuously stood for innovative products and intelligent building technology solutions. Based on the global KNX standard we develop and manufacture devices as well as visualisation and management software for buildings of the future. Individual visualisation systems in residential buildings, decentralised installations or complex lighting systems combined with single room temperature control in an office building - whatever your need, our Smart Building concepts are the answer. Domestically and internationally, architects and project planners trust in IPAS products. In large projects such as airports, stadiums, luxury hotels and museums our products meet every possible project requirement. Even at sea our products are in use on exclusive yachts.

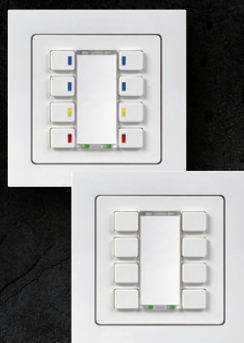
## **Integrated system solutions**

Our highly qualified team of engineers, skilled workers and technicians strives to develop the best possible solutions, both technologically and economically, so that we can always be a step ahead of the ever greater functionality and rising degree of automation in modern buildings. Our focus is on integrated system solutions with the aim of meeting the individual requirements of all our customers.





**Largho**  
Das klassische Format  
The classic format



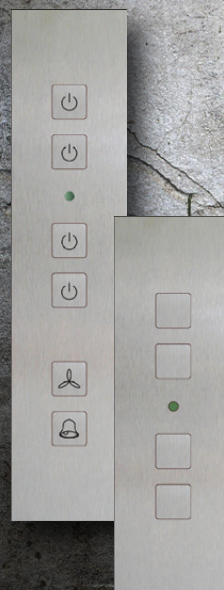
**Piazza**  
Schlichtheit und klare Strukturen in  
gewohnten Formen  
Simplicity and clear structures in a  
familiar form



**Trico**  
Komplexität auf kleinstem  
Raum  
Complexity in the smallest of  
space



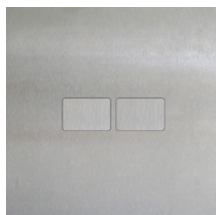
**Contratempo**  
Eleganz verpackt in einem  
zeitlosen Design  
Elegance wrapped in a  
timeless design



**Barchetto**  
Minimalistisch und schlank  
fokussiert auf das  
Wesentliche  
Minimalist and slim.  
Focussed on the essential

Exclusive in Design & Material

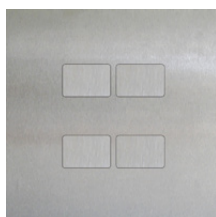




## Largho 2

KNX Panel 2-fold – 2 buttons with selectable function: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x80x32 mm

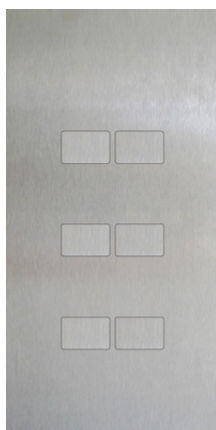
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-23-0B
Aluminium anodized, flat buttons	60601-112-23-0B
Stainless steel, flat buttons	60601-111-23-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-23-0B
Powder coating RAL colour, flat buttons	60601-113-23-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-23-0B
Powder coating effect-colour, flat buttons	60601-114-23-0B



## Largho 4

KNX Panel 4-fold – 4 buttons with selectable function: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x80x32 mm

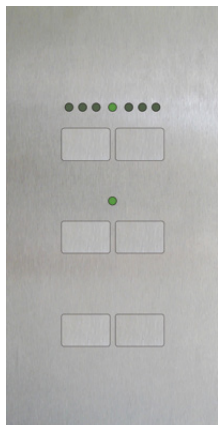
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-22-0B
Aluminium anodized, flat buttons	60601-112-22-0B
Stainless steel, flat buttons	60601-111-22-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-22-0B
Powder coating RAL colour, flat buttons	60601-113-22-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-22-0B
Powder coating effect-colour, flat buttons	60601-114-22-0B



## Largho 6

KNX Panel 2-fold – 2 buttons with selectable function: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x160x32 mm

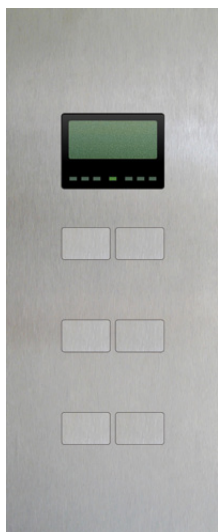
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-02-0B
Aluminium anodized, flat buttons	60601-112-02-0B
Stainless steel, flat buttons	60601-111-02-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-02-0B
Powder coating RAL colour, flat buttons	60601-113-02-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-02-0B
Powder coating effect-colour, flat buttons	60601-114-02-0B



### Largho R6

KNX Panel 6-fold with room temperature regulator – PI-, 2-point or sequence regulator, 6 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x160x32 mm

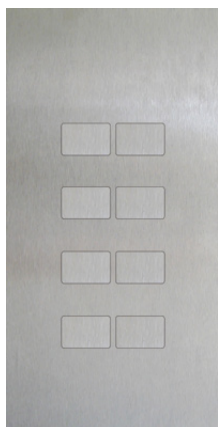
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-06-0C
Aluminium anodized, flat buttons	60601-112-06-0C
Stainless steel, flat buttons	60601-111-06-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-06-0C
Powder coating RAL colour, flat buttons	60601-113-06-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-06-0C
Powder coating effect-colour, flat buttons	60601-114-06-0C



### Largho R6 LCD

KNX Panel 6-fold with room temperature regulator and LCD display – PI-, 2-point or sequence regulator, 6 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-07-0C
Aluminium anodized, flat buttons	60601-112-07-0C
Stainless steel, flat buttons	60601-111-07-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-07-0C
Powder coating RAL colour, flat buttons	60601-113-07-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-07-0C
Powder coating effect-colour, flat buttons	60601-114-07-0C

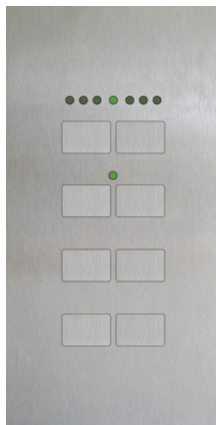


### Largho 8

KNX Panel 8-fold – 8 buttons with selectable function: light on/off/toggle/dimming, shutters/ louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x160x32 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-09-0B
Aluminium anodized, flat buttons	60601-112-09-0B
Stainless steel, flat buttons	60601-111-09-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-09-0B
Powder coating RAL colour, flat buttons	60601-113-09-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-09-0B
Powder coating effect-colour, flat buttons	60601-114-09-0B

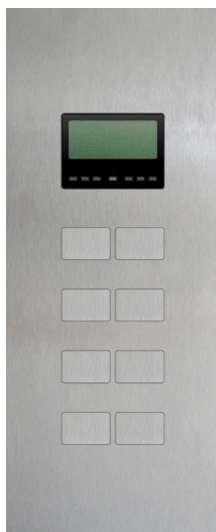




### Largho R8

KNX Panel 8-fold with room temperature regulator – PI-, 2-point or sequence regulator, 8 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x160x32 mm

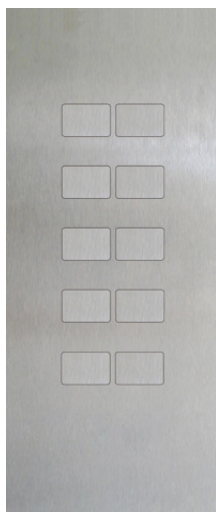
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-08-0C
Aluminium anodized, flat buttons	60601-112-08-0C
Stainless steel, flat buttons	60601-111-08-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-08-0C
Powder coating RAL colour, flat buttons	60601-113-08-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-08-0C
Powder coating effect-colour, flat buttons	60601-114-08-0C



### Largho R8 LCD

KNX Panel 8-fold with room temperature regulator and LCD display – PI-, 2-point or sequence regulator, 8 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

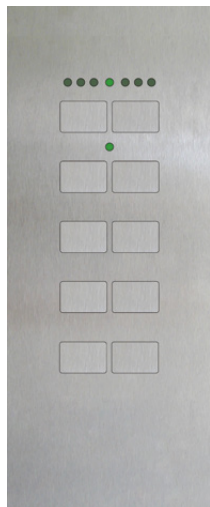
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-12-0C
Aluminium anodized, flat buttons	60601-112-12-0C
Stainless steel, flat buttons	60601-111-12-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-12-0C
Powder coating RAL colour, flat buttons	60601-113-12-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-12-0C
Powder coating effect-colour, flat buttons	60601-114-12-0C



### Largho 10

KNX Panel 10-fold – 10 buttons with selectable function: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

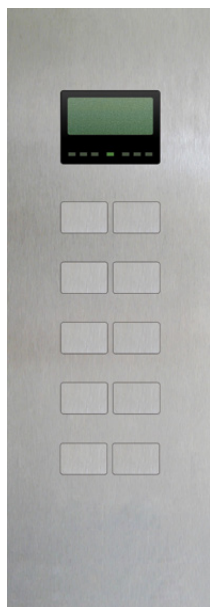
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-13-0B
Aluminium anodized, flat buttons	60601-112-13-0B
Stainless steel, flat buttons	60601-111-13-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-13-0B
Powder coating RAL colour, flat buttons	60601-113-13-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-13-0B
Powder coating effect-colour, flat buttons	60601-114-13-0B



### Largho R10

KNX Panel 10-fold with room temperature regulator – PI-, 2-point or sequence regulator, 10 buttons with selectable functions: Light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

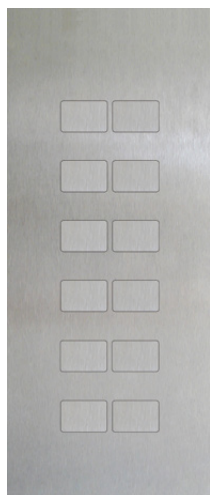
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-19-0C
Aluminium anodized, flat buttons	60601-112-19-0C
Stainless steel, flat buttons	60601-111-19-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-19-0C
Powder coating RAL colour, flat buttons	60601-113-19-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-19-0C
Powder coating effect-colour, flat buttons	60601-114-19-0C



### Largho R10 LCD

KNX Panel 10-fold with room temperature regulator and LCD display – PI-, 2-point or sequence regulator, 10 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x230x32 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-16-0C
Aluminium anodized, flat buttons	60601-112-16-0C
Stainless steel, flat buttons	60601-111-16-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-16-0C
Powder coating RAL colour, flat buttons	60601-113-16-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-16-0C
Powder coating effect-colour, flat buttons	60601-114-16-0C

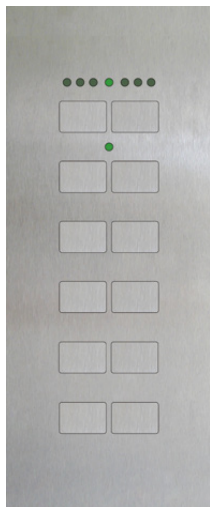


### Largho 12

KNX Panel 12-fold – 12 buttons with selectable functions: light on/off/toggle/dimming, shutters/ louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-18-0B
Aluminium anodized, flat buttons	60601-112-18-0B
Stainless steel, flat buttons	60601-111-18-0B
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-18-0B
Powder coating RAL colour, flat buttons	60601-113-18-0B
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-18-0B
Powder coating effect-colour, flat buttons	60601-114-18-0B

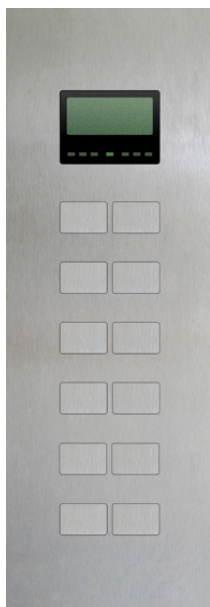




## Largho R12

KNX Panel 12-fold with room temperature regulator – PI-, 2-point or sequence regulator, 12 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x200x32 mm

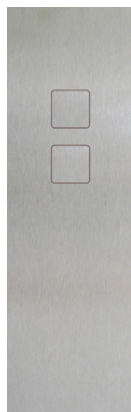
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-20-0C
Aluminium anodized, flat buttons	60601-112-20-0C
Stainless steel, flat buttons	60601-111-20-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-20-0C
Powder coating RAL colour, flat buttons	60601-113-20-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-20-0C
Powder coating effect-colour, flat buttons	60601-114-20-0C



## Largho R12 LCD

KNX Panel 12-fold with room temperature regulator and LCD display – PI-, 2-point or sequence regulator, 12 buttons with selectable functions: light on/off/toggle/dimming, set-point adjustment, fan adjustment, shutters/louvers, value setting, scene recall and programming (8bit) - integrated bus coupler. Size: 80x230x32 mm

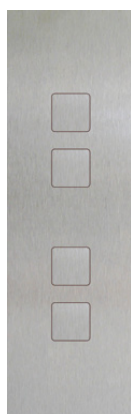
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	60601-1121-17-0C
Aluminium anodized, flat buttons	60601-112-17-0C
Stainless steel, flat buttons	60601-111-17-0C
Powder coating RAL colour, raised buttons (0,5 mm)	60601-1131-17-0C
Powder coating RAL colour, flat buttons	60601-113-17-0C
Powder coating effect-colour, raised buttons (0,5 mm)	60601-1141-17-0C
Powder coating effect-colour, flat buttons	60601-114-17-0C



### Barchetto 2

KNX Panel 2-fold – 2 buttons with selectable functions: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8Bit) - integrated bus coupler. Size: 37x130x35 mm

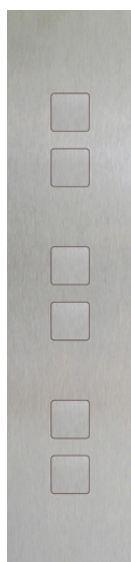
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	61B26-1121-01-0B
Aluminium anodized, flat buttons	61B26-112-01-0B
Stainless steel, flat buttons	61B26-111-01-0B
Powder coating RAL colour, raised buttons (0,5 mm)	61B26-1131-01-0B
Powder coating RAL colour, flat buttons	61B26-113-01-0B
Powder coating effect-colour, raised buttons (0,5 mm)	61B26-1141-01-0B
Powder coating effect-colour, flat buttons	61B26-114-01-0B



### Barchetto 4

KNX Panel 4-fold – 4 buttons with selectable functions: light on/off/toggle/dimming, shutters/ louvers, value setting, scene recall and programming (8Bit) - integrated bus coupler. Size: 37x130x35 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	61B26-1121-03-0B
Aluminium anodized, flat buttons	61B26-112-03-0B
Stainless steel, flat buttons	61B26-111-03-0B
Powder coating RAL colour, raised buttons (0,5 mm)	61B26-1131-03-0B
Powder coating RAL colour, flat buttons	61B26-113-03-0B
Powder coating effect-colour, raised buttons (0,5 mm)	61B26-1141-03-0B
Powder coating effect-colour, flat buttons	61B26-114-03-0B

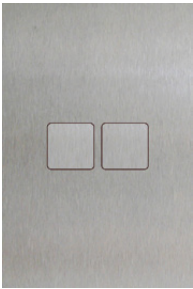


### Barchetto 6

KNX Panel 6-fold – 6 buttons with selectable functions: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8Bit) - integrated bus coupler. Size: 37x178x35 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	61B26-1121-05-0B
Aluminium anodized, flat buttons	61B26-112-05-0B
Stainless steel, flat buttons	61B26-111-05-0B
Powder coating RAL colour, raised buttons (0,5 mm)	61B26-1131-05-0B
Powder coating RAL colour, flat buttons	61B26-113-05-0B
Powder coating effect-colour, raised buttons (0,5 mm)	61B26-1141-05-0B
Powder coating effect-colour, flat buttons	61B26-114-05-0B

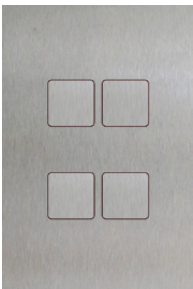




### Contrattempo 2

KNX Panel 2-fold – 2 buttons with selectable functions: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8Bit), 1 status LED - integrated bus coupler. Size: 50x75x35 mm

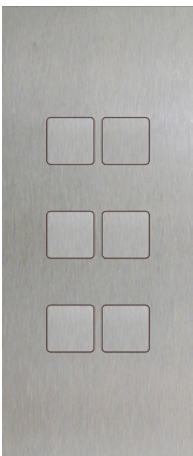
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	62620-1121-07-0B
Aluminium anodized, flat buttons	62620-112-07-0B
Stainless steel, flat buttons	62620-111-07-0B
Powder coating RAL colour, raised buttons (0,5 mm)	62620-1131-07-0B
Powder coating RAL colour, flat buttons	62620-113-07-0B
Powder coating effect-colour, raised buttons (0,5 mm)	62620-1141-07-0B
Powder coating effect-colour, flat buttons	62620-114-07-0B



### Contrattempo 4

KNX Panel 4-fold – 4 buttons with selectable functions: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8Bit), 2 status LEDs - integrated bus coupler. Size: 50x75x35 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	62620-1121-06-0B
Aluminium anodized, flat buttons	62620-112-06-0B
Stainless steel, flat buttons	62620-111-06-0B
Powder coating RAL colour, raised buttons (0,5 mm)	62620-1131-06-0B
Powder coating RAL colour, flat buttons	62620-113-06-0B
Powder coating effect-colour, raised buttons (0,5 mm)	62620-1141-06-0B
Powder coating effect-colour, flat buttons	62620-114-06-0B



### Contrattempo 6

KNX Panel 6-fold – 6 buttons with selectable functions: light on/off/toggle/dimming, shutters/louvers, value setting, scene recall and programming (8Bit), 4 status LEDs - integrated bus coupler. Size: 50x118x35 mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	62620-1121-03-0B
Aluminium anodized, flat buttons	62620-112-03-0B
Stainless steel, flat buttons	62620-111-03-0B
Powder coating RAL colour, raised buttons (0,5 mm)	62620-1131-03-0B
Powder coating RAL colour, flat buttons	62620-113-03-0B
Powder coating effect-colour, raised buttons (0,5 mm)	62620-1141-03-0B
Powder coating effect-colour, flat buttons	62620-114-03-0B



### Piazza 2

KNX push buttons 2-fold; pure white glossy, 2 buttons with selectable functions: switching, dimming, shutters, value setting, scenes, effects, operating mode setting, presence, fan-coil setting, one-push-dimming, one-push shutters; 2 orientation LEDs RGB in label field, type RGB with status LED for each button, integrated bus coupling unit.

Please note: frame excluded\*)

Type	Order-no.
Piazza 2 RGB	81102-110-02
Piazza	81102-110-12



### Piazza 4

KNX push buttons 4-fold; pure white glossy, 4 buttons with selectable functions: switching, dimming, shutters, value setting, scenes, effects, operating mode setting, presence, fan-coil setting, one-push-dimming, one-push shutters; 2 orientation LEDs RGB in label field, type RGB with status LED for each button, integrated bus coupling unit.

Please note: frame excluded\*)

Type	Order-no.
Piazza 4 RGB	81102-110-04
Piazza	81102-110-14



### Piazza 6

KNX push buttons 6-fold; pure white glossy, 6 buttons with selectable functions: switching, dimming, shutters, value setting, scenes, effects, operating mode setting, presence, fan-coil setting, one-push-dimming, one-push shutters; 2 orientation LEDs RGB in label field, type RGB with status LED for each button, integrated bus coupling unit.

Please note: frame excluded\*)

Type	Order-no.
Piazza 6 RGB	81102-110-06
Piazza	81102-110-16



### Piazza 8

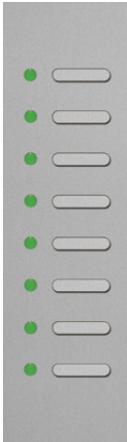
KNX push buttons 8-fold; pure white glossy, 8 buttons with selectable functions: switching, dimming, shutters, value setting, scenes, effects, operating mode setting, presence, fan-coil setting, one-push-dimming, one-push shutters; 2 orientation LEDs RGB in label field, type RGB with status LED for each button, integrated bus coupling unit.

Please note: frame excluded\*)

Type	Order-no.
Piazza 8 RGB	81102-110-08
Piazza	81102-110-18

\*) Fits 55mm switch programmes, e.g.: BERKER: S1, B3, B7, GIRA: Standard 55, E2, E22, Event, Esprit, JUNG: A500, Aplus, Acreation, AS500, MERTEN: 1M, M-Smart, M-Plan, M-Pure





## Trico 8 RGB

KNX panel 8-fold; buttons with selectable functions: switching, dimming, shutters, value setting, scenes, effects, operating mode selection, presence, fan-coil setting, one-push-dimming, onepush shutters; orientation/status LEDs RGB, integrated bus coupling unit. Size: 37x130x35 mm

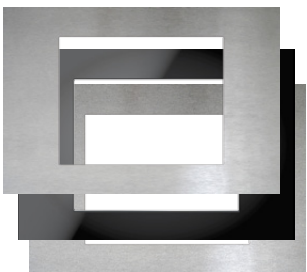
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	67224-1121-08
Powder coating RAL colour, raised buttons (0,5 mm)	67224-1131-08
Powder coating effect-colour, raised buttons (0,5 mm)	667224-1141-08



## Touch Control ETS6C

KNX Touch Control ETS6C – Touch display TFT 5.7. Configuration with ETS 3. Connector: 230 VAC or 24 VDC/AC and KNX. Size: 160x130x70 mm

Type	Order-no.
Touch-Display with 65.536 colours – 230 VAC	64102-1341-01
Touch-Display with 65.536 colours – 24 VDC/AC	64102-1341-02



## Design frames for Touch Control ETS6C

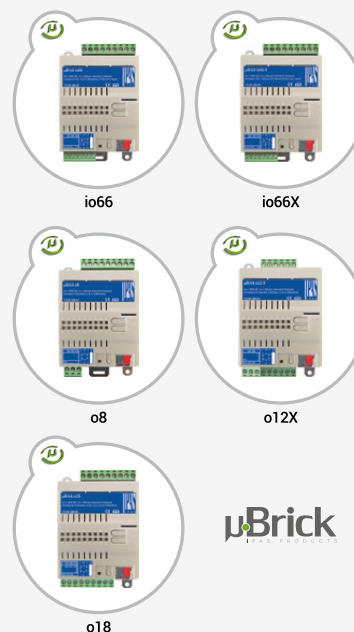
Optional designs. Size: 194x156x5 mm

Type	Order-no.
Design frame for Touch Control ETS6C – Aluminium	64102-19-01
Design frame for Touch Control ETS6C – glass black printed	64102-19-02
Design frame for Touch Control ETS6C – Aluminium in stainless steel design	64102-19-03
Design frame for Touch Control ETS6C – glass white printed	64102-19-04



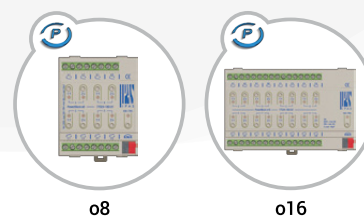
## INTELLIGENT SWITCHING FLEXIBLE INSTALLATION

**µBrick** decentralised, compact



**µBrick**  
IPAS PRODUCTS

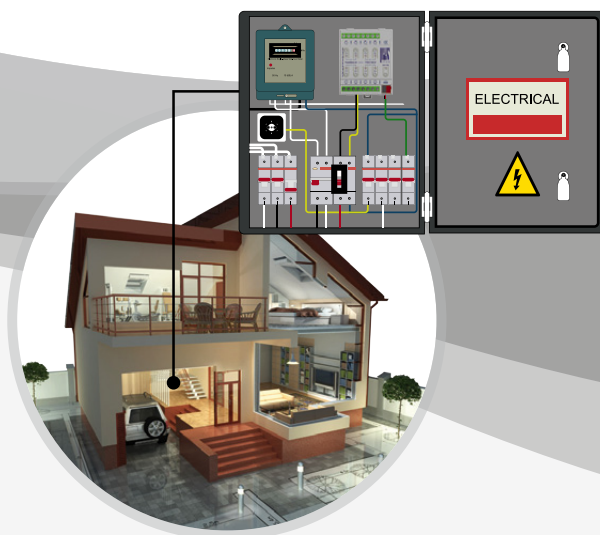
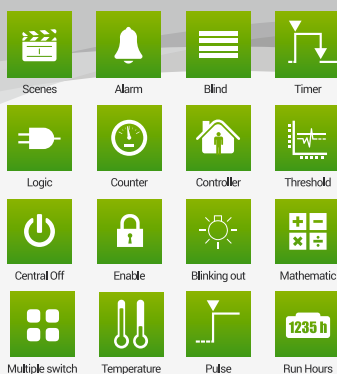
**PBlock**  
IPAS PRODUCTS



**INPUT FUNCTION**

- Binary in
- Analog in
- Multiple input

### Application Function





### μBrick io66

μBrick io66 - KNX switching actuator with 6 outputs and 6 inputs. The inputs can be configured in the ETS as binary inputs or as analogue input. This means analogue temperature sensors can also be evaluated. The actuator has 3 channels with two contacts each (X1, X2). Each channel has a resistive load of max. 10A (maximum load of the actuator 30A). Each contact can be operated manually via buttons with acknowledgment. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a plastic casing for DIN rail mounting or decentralised installation in a flush-mounted box or installation channel. Suitable for LED control through appropriate circuit.

Size: 70x105x24mm

	Order-no.
	72130-180-01



### μBrick io66 X

μBrick io66 X - KNX switching actuator with 6 outputs and 6 inputs. The inputs can be configured in the ETS as binary inputs or as analogue input. This means analogue temperature sensors can also be evaluated. The actuator has 3 channels with two contacts each (X1, X2). Two channels have a resistive load of max. 10A and one channel a max. capacitive load of 10A (maximum load of the actuator 30A). Each contact can be operated manually via buttons with acknowledgment. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a plastic casing for DIN rail mounting or decentralised installation in a flush-mounted box or installation channel. Suitable for LED control through appropriate circuit.

Size: 70x105x40mm

	Order-no.
	72130-180-03



### μBrick o8

μBrick o8 - KNX switching actuator with 8 outputs. The actuator has 4 channels with two contacts each (X1, X2). Each channel has a maximum resistive load of 10A (maximum load of the actuator 40A). Each contact can be operated manually via buttons with acknowledgment. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a plastic casing for DIN rail mounting or decentralised installation in a flush-mounted box or installation channel. Suitable for LED control through appropriate circuit.

Size: 70x105x24mm

	Order-no.
	72130-180-02





### μBrick o12 X

μBrick o12 X - KNX switching actuator with 12 outputs. The actuator has 6 channels with two contact outputs (X1, X2). Each channel has a maximum load of 10A. Four channels are for resistive loads and two for capacitive loads (maximum load of the actuator 60A). Each contact can be operated manually via buttons with acknowledgment. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a plastic casing for DIN rail mounting or decentralised installation in a flush-mounted box or installation channel. Suitable for LED control through appropriate circuit. Size: 70x105x40mm

	Order-no.
	72130-180-04



### μBrick o18

μBrick o18 - KNX switching actuator with 18 outputs. The actuator has 9 channels with two contacts each (X1, X2). Each channel has a maximum resistive load of 10A (maximum load of the actuator 90A). Each contact can be operated manually via buttons with acknowledgment. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a plastic casing for DIN rail mounting or decentralised installation in a flush-mounted box or installation channel. Suitable for LED control through appropriate circuit. Size: 70x105x40mm

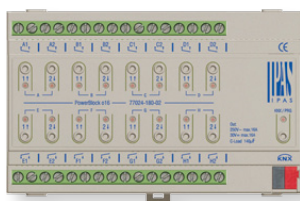
	Order-no.
	72130-180-05



## PowerBlock o8

PowerBlock o8 - KNX Switching Actuator with 8 binary outputs. Each output has a maximum load of 16A and is capable for capacitive loads (<140μF). The contacts can be operated manually by push buttons with feedback. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a 4TE plastic casing for DIN rail mounting. Size: 60x88x71mm

	<b>Order-no.</b>
	77024-180-01



## PowerBlock o16

PowerBlock o16 - KNX Switching Actuator with 16 binary outputs. Each output has a maximum load of 16A and is capable for capacitive loads (<140μF). The contacts can be operated manually by push buttons with feedback. The ETS application program enables numerous functions. For example, each channel can be configured as a shutter channel. The device is available in a 4TE plastic casing for DIN rail mounting. Size: 60x88x142mm

	<b>Order-no.</b>
	77024-180-02

## DaliControl e64 THE DIGITAL WAY OF LIGHTING





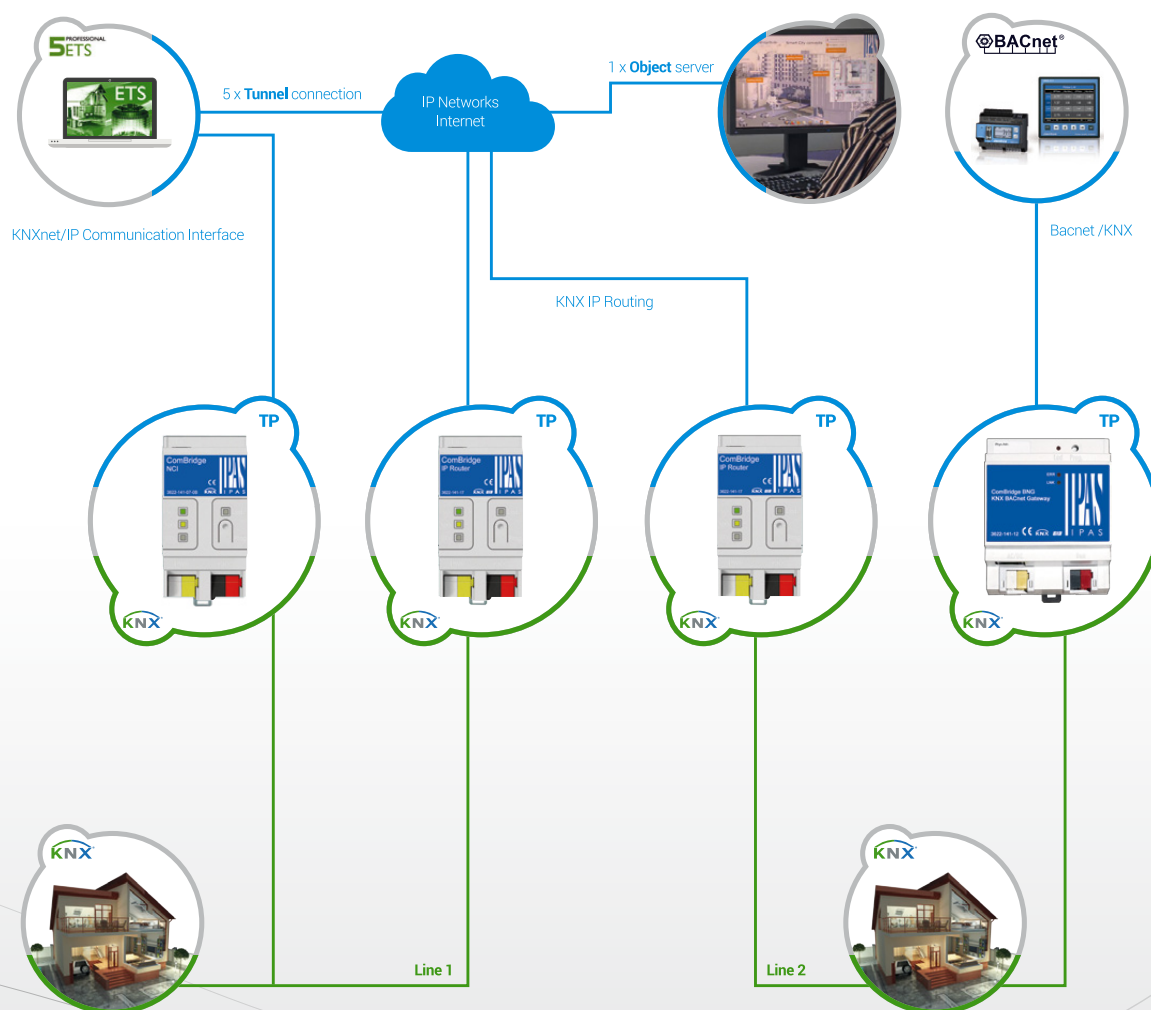


## DaliControl e64

KNX DALI Gateway - 4 unit plastic casing for DIN Rail mounting. Control of 64 ECGs or operating resources for emergency lights, integrated power supply, individual control of ECGs or control of ECGS in up to 16 groups. Flexible commissioning concept: directly via buttons and device display or via integrated web server. Scenes and effect module with 16 light scenes and 16 effects. Connector: 110 -250V AC/DC, network, KNX.

	Order-no.
	4101-145-01

## POWERFUL CONNECTION BETWEEN **KNX AND IP NETWORKS**





### IP Router - CB IPR

ComBridge KNXnet/IP Router in a plastic casing for DIN rail mounting (2 units). Remote programming through ETS. In addition to all standard functions, the router also has five tunnel and one object server connections. A permanent connection to a ComBridge Studio visualisation can be used in parallel to the IP tunnel. Connector pins: 12-24 V AC/DC, network and KNX.

	Order-no.
	3622-141-17



### Net Communication Interface - CB NCI

ComBridge KNXnet/IP interface in a plastic casing for DIN rail mounting (2 units). Remote programming through ETS. A permanent connection to a ComBridge Studio visualisation can be used in parallel to 5 tunnel connections. Connector pins: 12-24 V AC/DC, network and KNX.

	Order-no.
	3622-141-18



### BACnet Gateway - CB BNG

ComBridge BNG works as BACnet/IP Server (BACnet application specific controller B-ASC) and provides a connection between the KNX bus and the BACnet protocol. BACnet/IP Clients can log in via subscription(COV). The device is solely configured with ETS and provides 250 objects. No additional software is necessary for commissioning or configuration. All common KNX datapoint types are supported. Connector pins: 12-24 V AC/DC, network and KNX.

	Order-no.
	3622-141-12



### KNX PowerSupply PSU640

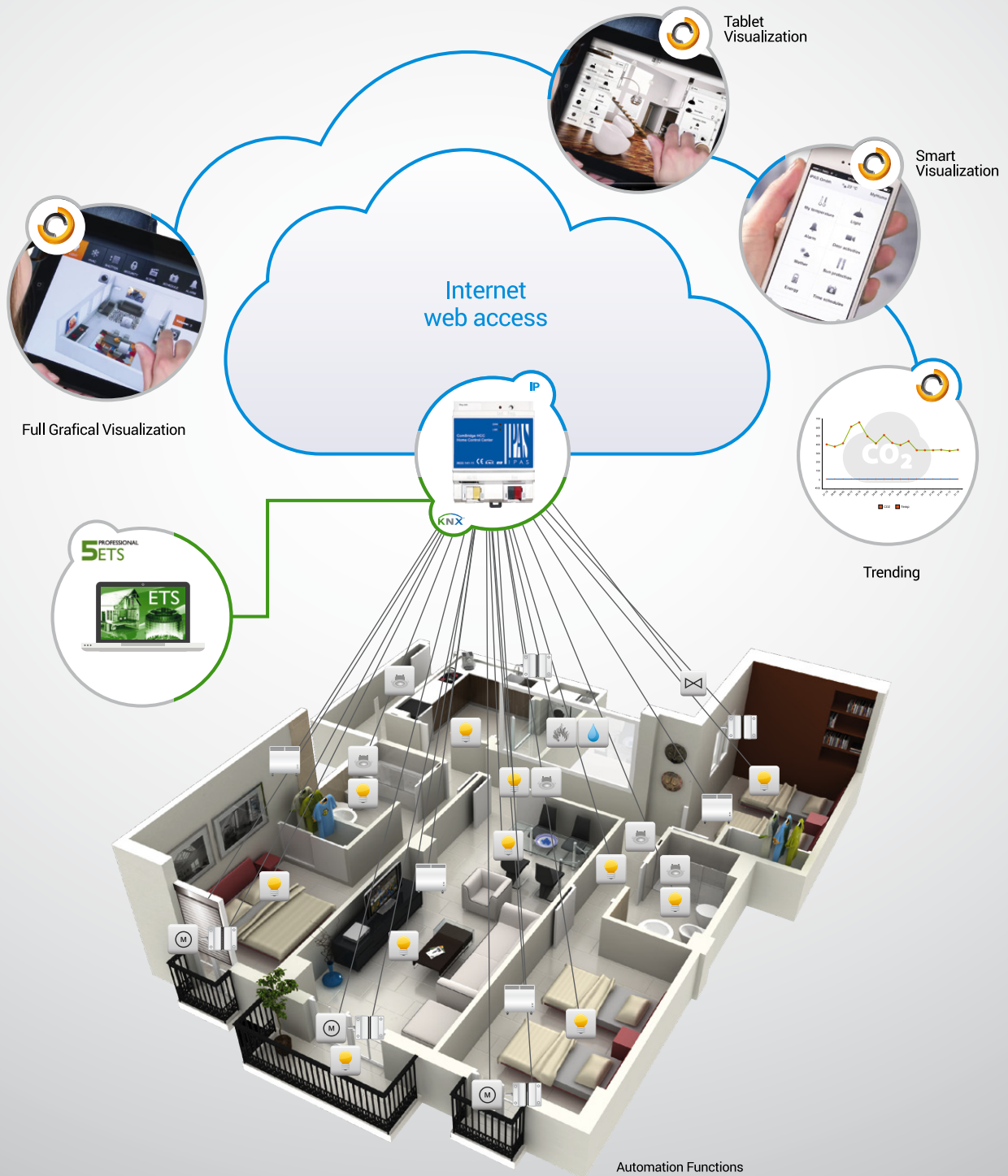
KNX PowerSupply PSU640 - KNX Power Supply Unit 30V/640mA. 3 unit plastic casing for DIN rail mounting, additional output 30VDC aux. power unchecked. Connections: 230 VAC, 30VDC unchecked and 30VDC KNX supply

	Order-no.
	31320-20-03

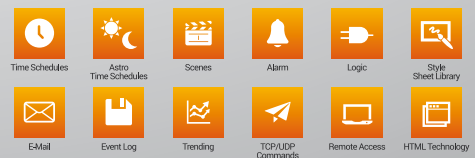




## THE WORLD OF **BUILDING VISUALIZATION**



### Automation Functions





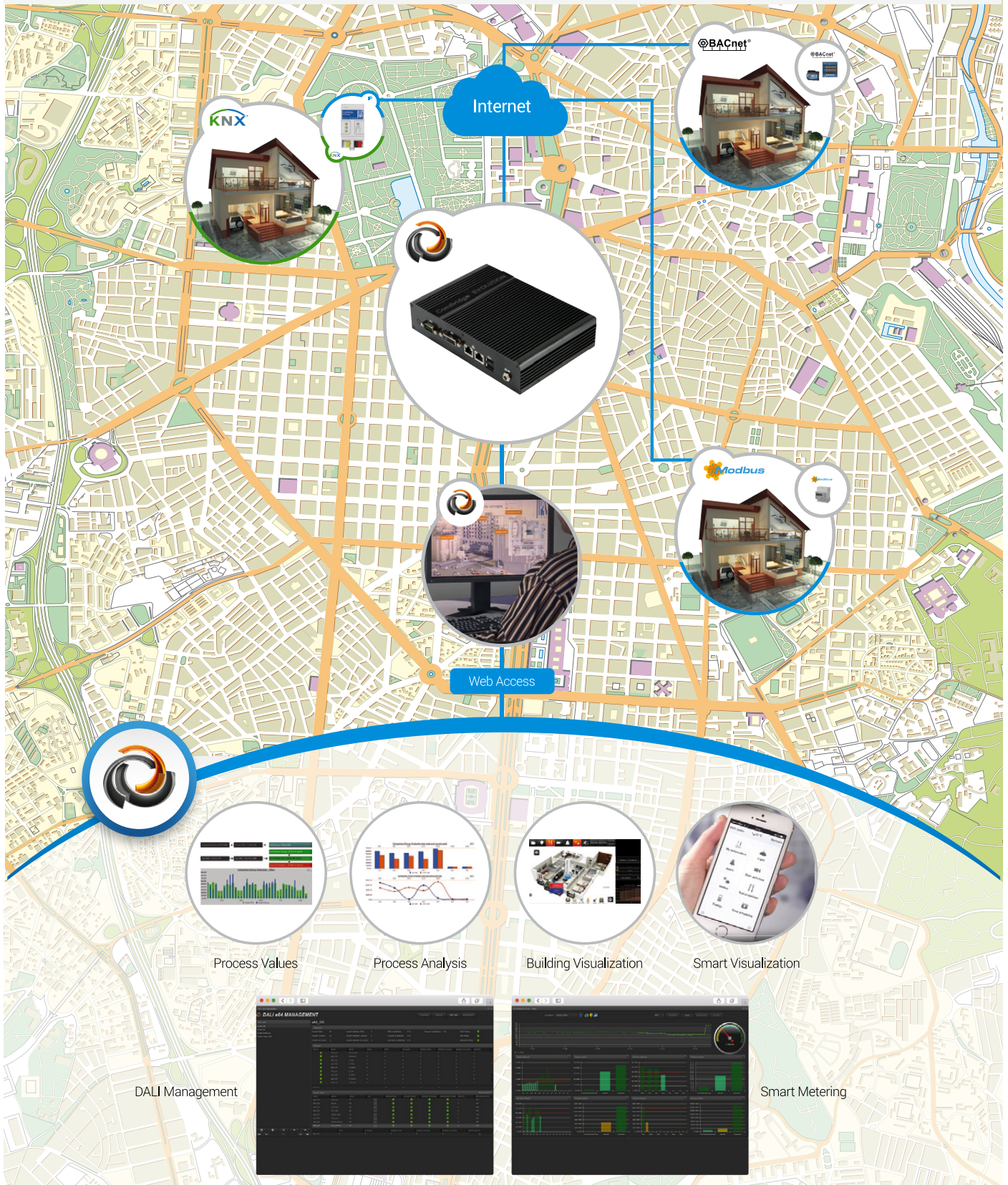
## Home Control Center - CB HCC

The ComBridge HCC in a plastic casing for DIN rail mounting contains a powerful web server. Up to 250 KNX objects and 1,000 group addresses can be directly linked. The freely graphical visualisation is optimised as a web app for modern smartphones or tablets. The device also offers numerous logic functions, time schedules, scenes, alarms and e-mail. Connector pins: 24 VDC, network and KNX.

	Order-no.
	3622-141-11



## DEVIDED PROPERTIES **CENTRAL CONTROLLED AND MANAGED**







## CBS Evolution Server

Server with CBS Evolution pre-installed - functions: annual and weekly schedule, online scene module, trending, alarm service, e-mail service, logic module, user control, incl. licenses for 3 users and 1 gateway. (KNXnet/IP gateway not included.)

Type	Order-no.
Intel Atom D2550 @ 1.86GHz, 2GB Ram, 60 GB Solid State Disk, fanless, 14 Watt (idle mode), power supply external 36W, 12V. Up to 3000 processpoints online; up to 1000 processpoints logging mode.	63102-32-01
CBS Evolution Server 19Z: Intel® i5-3380M 2 x 2,9 GHz, 8GB RAM, 240GB SSD, Rack Rails – Kit, CBS Evolution preinstalled. Up to 30.000 processpoints online; up to 10.000 processpoints logging mode.	63102-32-04



## CBS Evolution DaliControl e64 Management Server

CBS Evolution DaliControl e64 Management Server: Intel Atom D2550 @ 1.86GHz, 2GB Ram, 60 GB Solid State Disk, fanless, 14 Watt (idle mode), CBS DaliControl e64 Management System preinstalled, incl. licenses for 30 DaliControl e64 gateways, external power supply 36W, 12V Dimensions: 220x43x135 mm

	Order-no.
	63102-32-06



## CBSE system modules

	Order-no.
<b>Data base manager:</b> allows for the regular back-up of data recorded in CBSE on external memory devices. The module also makes it possible to systematically delete backed-up data and export data in other formats such as CSV files.	63102-32-30
<b>Report Tool:</b> for the individual calculation of project costs.	63102-32-31
<b>Applikation Manager Basic:</b> enables the configuration of a second additional and independent project on the CBSE Server. Users and desktops can be assigned individual categories, alarms, etc. Includes three user and one gateway licenses. User licenses can be assigned to any applications.	63102-32-35
<b>Applikation Manager Advanced:</b> enables the configuration of one additional and independent project on the CBSE Server. Users and desktops can be assigned individual categories, alarms, etc. Includes three user and one gateway licenses. User licenses can be assigned to any applications. Requirement: CBSE Application Manager Basic.	63102-32-36

## CBSE additional modules

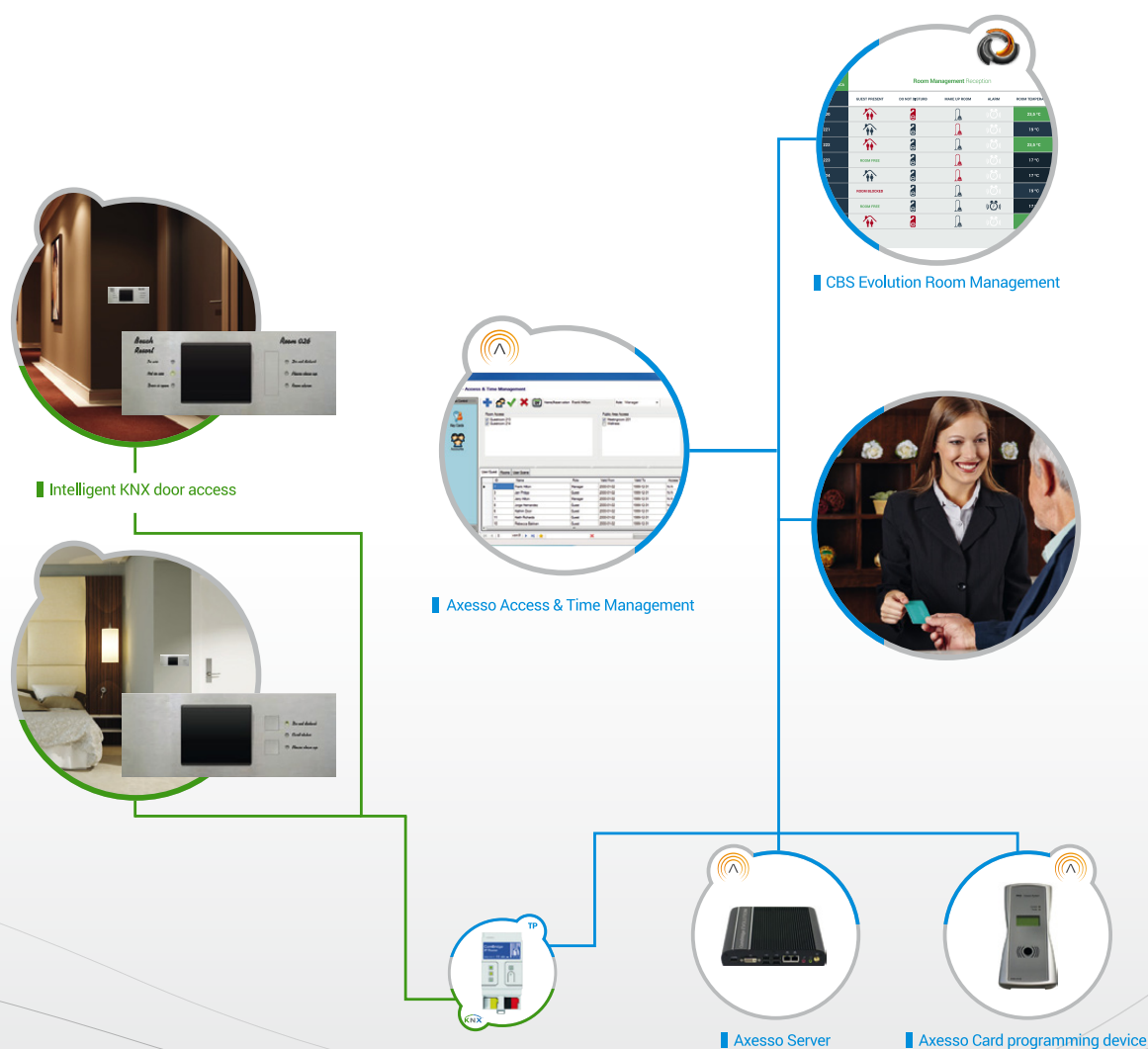
	Order-no.
<b>CBSE Smart Metering Module:</b> recording and analysis of up to 5 consumption meters (e.g. energy, water, gas meters). The number of meters can be increased with the corresponding module extension.	63102-32-10
<b>DaliControl e64 Management Tool:</b> Analysis and evaluation of 5 DALI gateways (display of every status in the DALI system in table format, recording and analysis of test results for self-contained battery emergency lamps). The number of gateways can be increased with the corresponding module extension.	63102-32-11
<b>CBSE Modbus basic module:</b> for up to 5 modbus devices. The number of modbus devices can be increased with the corresponding module extension.	63102-32-12
<b>CBSE BACnet-Basic module:</b> for 1 BACnet device. The number of BACnet devices can be increased with the corresponding module extension.	63102-32-13
<b>CBSE OPC server:</b> for Windows operating systems Win 7 upwards, incl. InfoPoint Configurator and Configuration Manager. Includes license for 1 KNXnet/IP gateway and license dongle. Suitable for the administration of several license-dependent KNXnet/IP gateways.	63102-32-40
<b>CBSE OPC-Server-E:</b> for Windows operating systems Win 7 upwards in connection with ComBridge Studio Evolution Server (CBSE). Includes Info Point for OPC configuration. The OPC-Server-E is licensed in CBS Evolution and installed on a Microsoft operating system. The OPC-Server-E connects to a CBSE server via the network.	63102-32-41

## CBSE licence extension

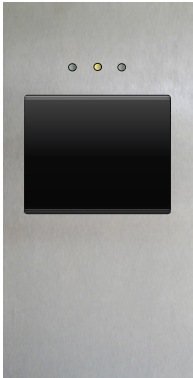
License extensions increase the number of system or module limits.

	<b>Order-no.</b>
System extension for 5 additional users	63102-32-50
System extension for 5 additional gateways	63102-32-51
Module extension Smart Metering for 5 additional meters	63102-32-52
Module extension DALI Management for 5 additional DaliControl e64 gateways	63102-32-53
Module extension Modbus for 5 additional modbus devices	63102-32-54
Module extension BACnet for 5 additional BACnet devices	63102-32-55

## DOOR ACCESS CONTROL AND HOTEL SOLUTION BASED ON KNX



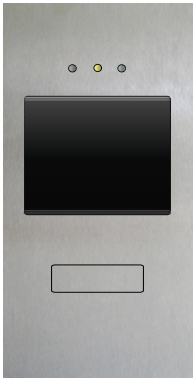




### Axesso Transponder card reader TR-U-0

Axesso TR-U-0 - KNX Transponder card reader. Without buttons, flush mounted. 2x binary input, 1x binary output to release the door opener. 12-24 VDC output. Dimensions: 80x160x32 mm

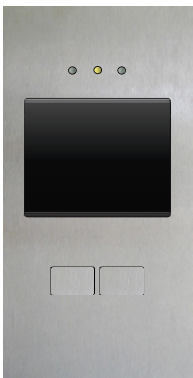
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	3707-162-14
Powder coating RAL colour, raised buttons (0,5 mm)	3707-1623-14
Powder coating effect-colour, raised buttons (0,5 mm)	3707-1624-14



### Axesso Transponder card reader TR-U-1

Axesso TR-U-1 - KNX Transponder card reader. One button, flush mounted. 2x binary input, 1x binary output to release the door opener. 12-24 VDC output. Dimensions: 80x160x32 mm

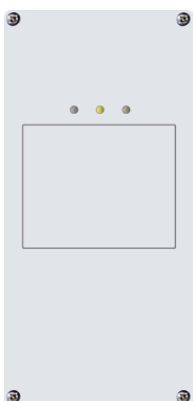
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	3707-162-16
Powder coating RAL colour, raised buttons (0,5 mm)	3707-1623-16
Powder coating effect-colour, raised buttons (0,5 mm)	3707-1624-16



### Axesso Transponder card reader TR-U-2

Axesso TR-U-2 - KNX Transponder card reader. Two buttons, flush mounted. 2x binary input, 1x binary output to release the door opener. 12-24 VDC output. Dimensions: 80x160x32 mm

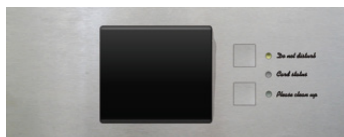
Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	3707-162-18
Powder coating RAL colour, raised buttons (0,5 mm)	3707-1623-18
Powder coating effect-colour, raised buttons (0,5 mm)	3707-1624-18



### Axesso Transponder card reader TR-U-0-WP

Axesso TR-U-0-WP - KNX Transponder card reader. Without buttons, moisture-proof, on-wall version. 2x binary input, 1x binary output to release the door opener. 12-24 VDC output. Dimensions: 80x160x55 mm

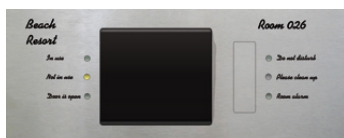
Type	Order-no.
plastic housing IP60	3707-162-02



### Axesso Transponder hotel card holder (indoor)

KNX Transponder hotel card holder for interior use, for user cards, with 2 buttons and 3 LEDs, KNX and 12-24 VDC connectors. Dimensions: 80x200x32mm

Type	Order-no.
Aluminium, eloxiert, erhabene Tasten (0,5 mm)	3708-162-02
Powder coating RAL colour, raised buttons (0,5 mm)	3708-1623-02
Powder coating effect-colour, raised buttons (0,5 mm)	3708-1624-02



### Axesso Transponder hotel card reader (outdoor)

KNX Transponder hotel card reader for exterior use, with 3 LEDs for function status and 3 LEDs for room status, 1 bell. KNX and 12-24 VDC connectors. Dimensions: 80x200x32mm

Type	Order-no.
Aluminium anodized, raised buttons (0,5 mm)	3708-162-01
Powder coating RAL colour, raised buttons (0,5 mm)	3708-1623-01
Powder coating effect-colour, raised buttons (0,5 mm)	3708-1624-01



## ComBridge Studio Axesso Server - Licenses

Server licenses for the administration of connected system devices, cards and card holders as well as time analysis, report management and alarms. Requirement is a KNXnet/IP gateway of type ComBridge HCC, NCI or IPR.

Type	Order-no.
Axesso Server incl. license for up to 100 access cards	3705-39-10
Axesso Server incl. license for up to 500 access cards	3705-39-11
Axesso Server incl. license for access cards, unlimited	3705-39-12



## Transponder card programming device CW-2-IP

Axesso Transponder card programming device CW-2-IP. Connector pins: 12-24 V AC/DC, network. Power supply inclusive. Dimensions: 120x60x35 mm

Type	Order-no.
	3705-19-05

## Axesso transponder cards

Transponder cards for readers from the Axesso range.  
Dimensions: 86x54x1 mm



Type	Order-no.
	3705-19-02



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