

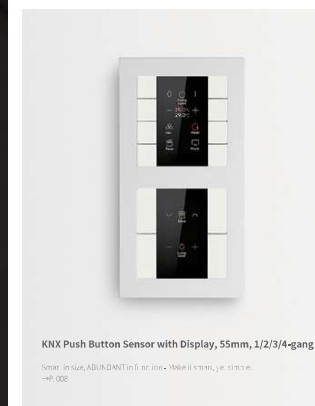
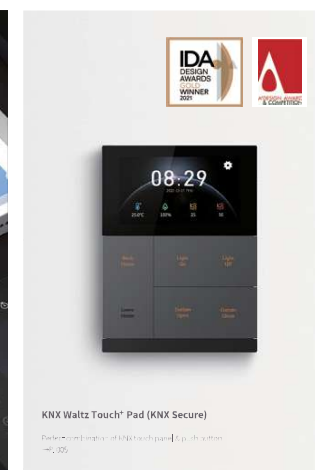
Smart Building Control Systems by GVS :

KNX/EIB System

Video Intercom System



Catalogue



GVS SMART CO., LTD.

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Huangpu District, Guangzhou, 510730,
P. R. China

GVS Since 1999

Since 1999, GVS has been focusing on building control technologies, offering it's worldwide clients with quality products and professional services.

As a hi-tech company, GVS is now a pioneer in smart building industry, the company operates mainly in business line of smart building, video intercom and smart Wi-Fi thermostat. Started as a CRT manufacturer for security devices, the company has now grown and expanded into a smart building product & service provider with its professional team in design, R&D, manufacturing and sales. With its highlighted capability in display and building technology, the company has long been in the first rankings of suppliers for both KNX building control system, IP/2-wire video intercom system and smart Wi-Fi product. As the FIRST native BOARD MEMBER of KNX CHINA and first-ranking video intercom & thermostat supplier, GVS will continue to renovate and contribute to the smart building technologies in the coming decades.

Just like the slogan goes: To make life smart, and smart simple!

GVS - Milestones

In 1999

GVS was established.



In 2008

GVS became the first Chinese KNX member in China.



In 2011

First KNX Training Center in China was established by GVS.



In 2015

GVS became the FIRST native council member of KNX China.



In 2018

GVS became the first native company who chaired KNX CHINA.



In 2019

GVS entered the smart thermostat market by acquiring Vine Connected Corp.



In 2023

GVS successfully being listed in Beijing Stock Exchange.



In 2024

As a pioneering KNX member, GVS has the most certified KNX Secure products in China & the 6th worldwide.



In 2025

GVS become the rotating president of KNX China National Group.



Professional Manufactory



Facility & Equipment: modern factory with SMT, plug-in, assembling, testing lines; QC, electrical safety labs, high-low temperature aging room.

Standard & Certificate: ISO90001, QC080000, RoHS, CE, KNX, FCC.

Production Capacity (annually): TFT & display module 4.5M pcs, KNX device 300K pcs, video intercom device 400K pcs.

Video Intercom Pathfinder

Dated back to 1999, GVS started with audio intercom module business, later developed to video intercom module. Started from analog 2-wire system, GVS now offers its client with full digital IP intercom solution, with perfect integration with smart home functions. GVS has never stopped on the way of exploration and innovation for a smarter and more secured life style.



Product Series

KNX Home & Building Control System
P. 004 - P. 019

KNX Association Declaration



This is to certify that

GVS SMART CO., LTD. (GVS)
CHINA

- has as a senior Chinese KNX member developed the highest amount of KNX devices supporting KNX Secure as a feature, compared to the other KNX members in China.
- globally ranks number 6 in terms of developed amount of KNX devices supporting KNX Secure as a feature, compared to all other KNX members worldwide.

The above is confirmed on the basis of the data contained in the records of KNX Association on the date of issue of the certificate.

More up to date information can be obtained directly from the KNX Association.

Joost Demarest, CTO
KNX Association

Date: 16 April 2025





Smart home and building solutions
Global. Secure. Connected.

Join us
www.knx.org



GVS - The Pioneer of KNX Secure

KNX Home & Building Control System






KNX Smart Home Solution


The diagram illustrates a smart home setup. A central house is connected to a KNX Multifunctional Gateway for control, which is linked to a WiFi Router and APP Control. The system includes various devices connected via different protocols: K-BUS (Power supply, Switch Actuator, LED Dimmer, Fan Coil Actuator, Shutter Actuator, IP Interface, KNX Gateway for RS485/RS232), Cat6 line (S7, IPCAM Gateway, Mini Outdoor Station, TCP/IP, Switch, Background Music Server, Waltz Push Button & Socket), and Signal line (IP Camera, SPOT LAC, TV, KNX Gateway for IR, Fingerprint Lock, Air Quality Sensor, KNX Motion Sensor, PIR, KNX WALTZ Touch+ Pad, Universal Interface, Gas Detector, Smoke Detector, Door contact). A legend at the bottom identifies the connection types: K-BUS (green), Cat6 line (blue), Power line (red), Signal line (grey), and IR (dashed red).

KNX Smart Office Solution


The diagram illustrates a smart office setup. A central office area is connected to a Wireless Route, Central Control System, and Tablet and Mobile Phone Remote Control. The system includes various devices connected via different protocols: K-BUS (Dimming Controller, 4-Fold, 1-10V; Power Supply; Dimming Actuator, 4-Fold; Switch Actuator, 8-Fold; KNX LED Dimming Actuator, 4-Fold, 4A; Shutter Actuator, 4-Fold; KNX Gateway for RS485/RS232; KNX Gateway for RS485/RS232; KNX IR Transmitter 2-Fold V2 (flush-mounted); Air Conditioning; Central Air Conditioning), Cat6 line (Wireless Route, Central Control System, Tablet and Mobile Phone Remote Control), and Signal line (KNX IP Interface, KNX Presence Sensor, microwave type, Smart Touch VS0s, KNX 6-Button Touch Switch, KNX Button Smart 3-Gang with Display, 55mm, Fan Coil Actuator, Universal Interfaces, 4-Fold, KNX Gateway for RS485/RS232, KNX DALI Gateway, T5 T8 Tubes, Dimmable Electronic Rectifier, Droplight, Spotlight, Tube Light Panel, Floodlight, Dimmable LED Panel Light, Electric Curtain, Projection Screen/Projection Frame, Conference System/Public Broadcasting). A legend at the bottom identifies the connection types: K-BUS (green), Cat6 line (blue), Power line (red), Signal line (grey), and IR (dashed red).

To make life smart, and smart simple! 04

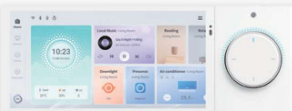




Standard



Button Version




Knob Version

KNX Smart Touch S7 (KNX Secure)


CHTI-7.0/120.1.22 CHTI-7.0/120.1.23
Button: CHKA-04/S7.1.2x, CHKA-04/S7.1.1x
Knob: CHRBC-04/S7.1.1x, CHRBC-04/S7.1.1x

Function:





- 6.9 inch color IPS capacitive touch screen, resolution 1440*720
- Homepage support for function customization and building plan view programming
- 120 KNX channels, with basic control functions including switch, dimming, blinds, value sending, color temperature, color control(RGB, RGBW, RGBCW), room temperature control, air conditioner, ventilation system control, air quality and energy metering display, etc
- Support 16 weekly timer, 8 scene group functions, 8 logic functions
- 30 KNX scene functions
- Built-in temperature and humidity sensor, proximity sensor
- Support SIP intercom and cloud intercom, and APP control
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer function
- Support defense zone setup for arm and disarm functions
- Support OTA upgrade
- Support sub-panel extension button or knob
- Support KNX Secure
- Can add devices from cloud for central control on S7
- Support Sonos audio control
- Support Google Assistant, Alexa voice control





Button Extension




Knob Extension









KNX Smart Touch S3 (KNX Secure)

CHTF-3.3/3.2.10 CHTF-3.3/3.2.11 CHTF-3.3/3.1.01

Function:

- 3.3-inch color IPS capacitive touch screen, resolution 480*320
- The structure and appearance feature a plastic frame and a surface with a multi-touch panel and 3 physical buttons to control devices/scenes
- Supports SIP video intercom function and KNX smart home function
- Supports bluetooth environmental sensors connection
- Supports remote control and customizing scenes via mobile phone
- Built-in temperature, humidity and proximity sensor
- Automatically adjusts screen and button indicators brightness
- Support KNX Secure
- Support IP connection for APP control, no cloud intercom





KNX Smart Touch Z13 (KNX Secure)

CHTI-13.3/120.2.23

Function:

- 13.3" colored IPS touch screen, 1920*1080 resolution
- Full KNX functions with list-view, room-view or map-view, full SIP intercom functions
- Support IP connection for APP control, cloud intercom
- 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions
- 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control(support song info), energy metering, air quality display etc
- Aesthetic design with aluminum faceplate
- Built-in temperature, humidity
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer functions
- Support KNX secure and OTA update
- Fits in 86*86mm, 80*80mm, German double-60mm wall boxes





KNX Smart Touch Z10 (KNX Secure)

CHTI-10.1/120.2.23

Function:

- 10.1" colored IPS touch screen, 1280*800 resolution
- Full KNX functions with list-view, room-view or map-view, full SIP intercom functions
- Support IP connection for APP control, cloud intercom
- 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions
- 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control(support song info), energy metering, air quality display etc
- Aesthetic design with aluminum faceplate
- Colored breathing light adjustable for color and brightness
- Built-in temperature, humidity
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer functions
- Support KNX secure and OTA update
- Fits in 86*86mm, 80*80mm, German double-60mm wall boxes

KNX Home & Building Control System



KNX Waltz Push Button Sensor (KNX Secure)

Metal: CHPB-04/02.S.2x(2-Gang)
CHPB-06/02.S.2x(3-Gang)
CHPB-08/02.S.2x(4-Gang)
x=0, White; x=1, Black; x=2, Silver; x=3, Gray; x=4, Gold

Function:

- Latest elegant KNX push buttons for WALTZ Series
- Push Buttons adjustable for 1 or 2 button operation
- Aluminum frame and replaceable aluminum button
- Built-in temperature sensor, with LED indication
- Adjustable for button push length, NO or NC contact operation
- Short/long operation for KNX functions of lighting, scene control, shutter etc.
- Supporting ring included for installation, integrated bus coupling unit
- 3 years' warranty, 5 classic colors available
- Support KNX Secure

Waltz Electrical Socket & Accessories (For 86*86mm wall-box ONLY)



Socket
CHSU-04/10.1.01



Network Socket
CHTN-02/00.1.01



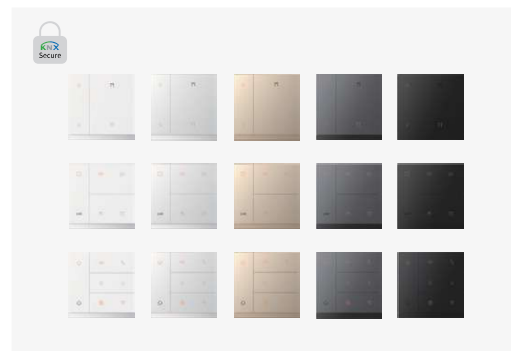
Emergency Button

KNX Waltz Touch⁺ Pad (KNX Secure)

Plastic: CHTFB-3.0/6.S.00(White)	Metal: CHTFB-3.0/6.S.20(White)
CHTFB-3.0/6.S.01(Black)	CHTFB-3.0/6.S.21(Black)
CHTFB-3.0/6.S.02(Silver)	CHTFB-3.0/6.S.22(Silver)
CHTFB-3.0/6.S.03(Gray)	CHTFB-3.0/6.S.23(Gray)
CHTFB-3.0/6.S.04(Gold)	CHTFB-3.0/6.S.24(Gold)

Function:

- Elegant design mixed with IPS capacitive touch panel & mechanical button
- Aluminum frame and replaceable buttons(plastic/aluminum)
- Synchronized animation effects on display when buttons pressed
- Push Buttons adjustable for 1 or 2 button operation
- Built-in temperature sensor, RGB status LED indication
- Adjustable for button push length, NO or NC contact operation
- Short/long operation for KNX functions of lighting, scene control, shutter etc
- Supporting ring included for installation, integrated bus coupling unit
- 3 years' warranty, 5 classic colors available
- Support KNX Secure



KNX CO₂/Temp/Humidity Sensor, 55mm (KNX Secure)

CHAQ-03/55.2.00

Function:

- 100% fits 55mm systems:
 - GIRA Standard S5, E2, E22, Esprit
 - MERTEN IM, M-Pure, M-Smart
 - Jung-Plus, Acreation, A500, A550
 - BERKER B3, B7, S1
- Built-in CO₂ & temperature & humidity sensor
- 2 external inputs of dry contact or NTC temperature detection
- Support control modes: heating/cooling, with 2/4-pipe system
- HVAC operation modes: comfort, standby, economy, protection
- Temperature logic algorithm supports 2-point and PI control
- Air quality level function: humidity control(4 levels), CO₂ level output(4 levels)
- Air quality controller: humidity control(step), CO₂ level output(step & PI)
- Support alarm function
- Support KNX Secure



KNX Push Button Sensor with LCD, 55mm (KNX Secure)

CHPBL-03/00.1.00 CHPBL-03/00.2.00 CHPBL-03/00.2.01

Function:

- 100% fits 55mm systems:
 - GIRA Standard 55, E2, E22, Esprit
 - MERTEN JM, M-Pure, M-Smart
 - Jung Aplus, Acreation, A500, A550
 - BERKER B3, B7, S1
- Support KNX Secure
- LCD Display, resolution 240°x240
- Built-in temperature & humidity sensor, 2-fold input interfaces
- Option 1: Push Button(3 pages, 4 icons/page) for all KNX functions
- Option 2: Thermostatic pages, AC(FCU, VRF), floor heating and ventilation
- Option 3: Background music pages: author/album/song display



KNX Push Button Sensor with Display, 55mm, 1/2/3/4-gang

CHPBD-06/55.1.0y, CHPBD-08/55.1.0y,
CHKAM-0x/55.1.0y Matt, CHKAG-0x/55.1.0y Glossy
(x=2, 1-gang;x=4, 2-gang;x=6, 3-gang;x=8, 4-gang)
(y=0, White;y=1, Black)

Function:

- Individual/linked button functions for all kinds of typical KNX functions
- 1.9" LCD display with 1/2/3/4 gang push buttons, easy label customization
- Room temperature controller, support heating, cooling mode and HVAC mode
- Advanced functions of panel lock, screen saver, alarm, logic, scene group, slap function
- Built-in temperature, humidity and proximity sensors and 2 folds input (Binary/NTC Temp.sensor)



KNX Thermostat Lite, 55mm (KNX Secure)

CHTL-02/00.2.00

Function:

- Built-in temperature and humidity sensor
- Control modes: heating/cooling, with 2/4-pipe system
- HVAC operation modes: comfort, standby, economy, protection
- Temperature logic algorithm supports 2-point and PI control
- Support 2 external inputs of dry contact or NTC temperature detection
- Support KNX Secure

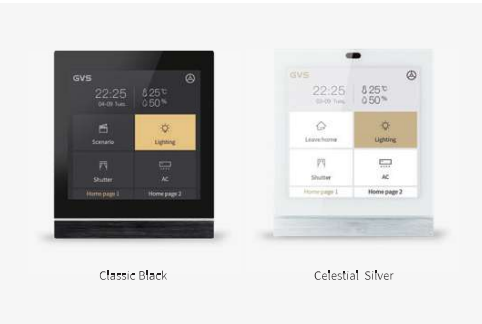


KNX Smart Touch V50s

CHTF-5.0/15.5.21 CHTF-5.0/15.5.22

Function:

- Standard KNX Touch Panel with database & certificate
- 5" colored capacitive IPS touch screen, resolution 480*854
- Up to 2 home pages and 15 function pages can be configured
- 16 time functions, 8 event group functions, 8 logic functions
- Password protection and customized screensaver
- Support switching, dimming, shutter control, HVAC control etc
- Built-in temperature and proximity sensor
- Available with two colors silver & black, two types vertical & horizontal
- Supporting ring included for installation, perfectly fits 60mm/86mm wallbox and US wallbox



KNX Smart Touch V40s

CHTF-4.0/9.5.21 CHTF-4.0/9.5.22

Function:

- Standard KNX Touch Panel with database & certificate
- 4" colored capacitive IPS touch screen, resolution 480*480
- Support 9 function pages
- 16 time functions, 8 event group functions, 8 logic functions
- Password protection and customized screensaver
- Support switching, dimming, shutter control, HVAC control etc.
- Built-in temperature and proximity sensor
- Available with two colors silver & black
- Supporting ring included for installation which fits 60mm/86mm wallbox



KNX Multifunctional Gateway

BTAL-06/05.1

Function:

- APP Server for GVS Smart APP
- 6 folds RS485 interface for connecting with RS485 input
- 5 folds dry contact input
- 1 fold LAN port for integrating with TCP/IP devices
- 1 fold WAN port for cloud and local communication
- Configured by "GVS Smart Assistant" app
- Support Sonos audio control
- Support Google Assistant, Alexa voice control

GVS Touch Screen Selection Table

	Z13 SIP	Z10 SIP	S7	S3	V50s	V40s	Waltz
Screen Size	13.3"	10.1"	6.9"	3.3"	5"	4"	2.8"
Resolution	1920*1080	1280*800	1440*720	480*320	480*854	480*480	854*480
Operation System	Android	Android	Android	Linux	Linux	Linux	Linux
Cloud Intercom	√	√	√	×	×	×	×
SIP Intercom	√	√	√	√	×	×	×
APP Server	Coming	√	√	√	×	×	×
Temp. Sensor	√	√	√	√	√	√	√
Humidity Sensor	√	√	√	√	×	×	√
Proximity Sensor	√	√	√	√	√	√	√
Thermostatic Control	√	√	√	√	√	√	√
KNX Channels/Page	120	120	120	6 pages/ 6 icons per page	15 pages /8 icons per page	9 pages/ 8 icons per page	6 pages/ 6 icons per page
Dimension(mm)	213*317*51.7	186.8*240*40	180*86*36	86*86*35.6	148.8*86*32.5	86*101.3*32.2	115*86*34.7
Wall Box	86mm/German double-60mm	86mm/German double-60mm	86mm/60mm	86mm/60mm	86mm/60mm/ Swiss/Australian /US	86mm/60mm	86mm/60mm
KNX Secure	√	√	√	√	×	×	√



KNX Presence Sensor, Microwave (KNX Secure)

CSBPM-04/00.1.00, CSBPM-04/00.1.01, CSBPM-04/00.2.01

Function:

- Detections of normal movement, tiny movement and static presence, with 24GHz millimetres wave technology
- Internal brightness sensor (Full Black Not Support), and control the light via brightness threshold and also control logically with motion signal
- Sensitivity is configurable and can be adjusted by day/night
- Internal temperature and humidity sensors
- Constant lighting control
- RTC controller functions
- Logic functions and scene group functions
- Support KNX Secure



KNX Motion Sensor, PIR (KNX Secure)

CSBP-04/00.1.00, CSBP-04/00.1.01, CSBP-04/00.2.01

Function:

- Detection of movement, with ordinary pyroelectric infrared technology
- Internal brightness sensor (Full Black Not Support), and control the light via brightness threshold and also control logically with motion signal
- Internal temperature and humidity sensors
- Constant lighting control
- RTC controller functions
- Logic functions and scene group functions
- Support KNX Secure
- Support both ceiling and wall-box mounting



KNX/DALI-2 Gateway, 1/2-Fold (KNX Secure)

BTDG-01/64.2 BTDG-02/64.2

Function:

- DALI telegram broadcast function
- Fault detection of lamps and ballasts of DALI devices
- For each fold, Max.64 DALI devices can be controlled, including switch, dimming, brightness, color and color temperature control
- Support multiple DALI-2 device types, such as DT6, DT8 colour control type including RGB Colour, RGBW Colour, XY Colour, Colour Temperature
- Support group control. 16 different groups for each channel by DCA APP
- Support scene control. 16 different DALI scenes for each channel by DCA APP
- Support operation mode: normal mode, normal/night mode, staircase mode, permanent mode, burn in mode
- 8 behaviour templates for group
- Send or response various status, such as switch, brightness, operation hours etc
- Monitoring DALI bus voltage, DALI bus current and DALI bus short circuit status
- Support the KNX Data Secure



KNX Line Coupler

BNLC-00/00.3

Function:

- As a KNX line coupler, it connects main line to backbone line, or line to main line
- As a KNX line repeater, it extends the length of bus line and the number of KNX devices



KNX IP Router (KNX Secure)

BNIPR-00/00.5

Function:

- Support 4 client connections
- Support KNXnet/IP, ARP, ICMP, IGMP, HTTP, UPnP, UDP/IP, TCP/IP, DHCP and Auto IP
- Can be used as line/backbone coupler to couple ethernet and KNX-TPL lines
- Support filter table routing function
- Can be used as the programming interface
- Support KNX Secure



KNX Power Supply, 640mA

BBPS-02/640.1

Function:

- Input voltage: 100V~240 Vac, 47~63Hz
- Sustained short-circuit current: < 1.4 A
- Rated current: 640mA, short-circuit-proof
- 1-fold KNX output
- 1-fold Auxiliary voltage output
- Output status display
- Reset the KNX output
- Over temperature protection
- Current consumption level indication



KNX Universal Dimming Actuator 1/2/4-Fold (KNX Secure)

ADUD-01/02.3 ADUD-02/02.3 ADUD-04/02.3

Function:

- Max. load 300W, leading/trailing edge phase dimming control
- Un rated voltage 110~230V AC, 50-60Hz
- Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function
- 8 logic function
- Dimming curve adjustment(6 options + 1 Customization) in ETS
- Manual operation and Output indication function
- Operating hours counter function
- High compatibility: Leading & Trailing edge, wide range of Lighting types & brands
- High flexibility: 6 dimming curves & can be customized in different brightness range
- High reliability: driving components modular design, hardware detection & protection mechanism
- Advanced functions: Additional startup, Reset behaviour, Max. 16 Scenes, operating hours counting, logic, forced and safety operation etc
- Support KNX Secure



KNX Universal Dimming Actuator 1-Fold, Flush Mounted (KNX Secure)

ADUDF-01/01.1

Function:

- Max. load 200W, leading/trailing edge phase dimming control
- Un rated voltage 230V AC, 50/60Hz
- Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function
- 8 logic function
- Dimming curve adjustment(6 options + 1 Customization) in ETS
- Dry contact: 4-fold input + 4-fold input/LED output, LED indicator(5V/12V, Max. 4mA, Common Anode)
- High compatibility: Leading & Trailing edge, wide range of Lighting types & brands
- High flexibility: 6 dimming curves & can be customized in different brightness range
- High reliability: driving components modular design, hardware detection & protection mechanism
- Advanced functions: Additional startup, Reset behaviour, Max. 16 Scenes, operating hours counting, logic, forced and safety operation etc
- Support KNX Secure



MAIN

STABLE | OPEN | COMPATIBLE

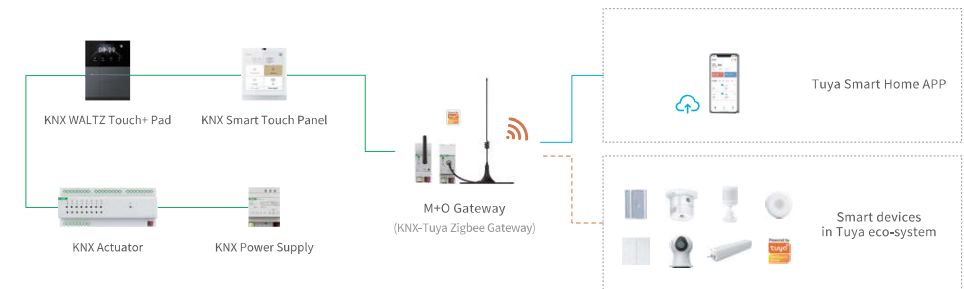


ZigBee 3.0



OPTIONAL

EXTENDABLE | FLEXIBLE | DIY-FRIENDLY



KNX Gateway for Tuya ZigBee, Premium

BTMO-TY/00.3 BTMO-TY/00.4 (Zigbee ↔ KNX)

Function:

KNX/Tuya-Zigbee3.0 Gateway is an innovative device which coupling KNX and Tuya Zigbee system. By easy programming, you can realize controlling KNX devices from Tuya APP, and uploading status information of KNX devices to Tuya platform, hence monitor and manage the devices conveniently. Supports bidirectional communication & control between KNX and Tuya/Zigbee.









- Work as a Tuya/Zigbee Gateway to connect to Tuya Cloud and add Tuya device.
- Upload KNX devices to Tuya platform to control and display status.
- Support KNX functions: switching, dimming, curtain, scene, AC control, background music, air quality and energy metering display etc.
- Logic functions.
- Support bidirectional communication between Zigbee and KNX device.



Product List

Picture	Name / Model	Installation / Dimension	Function
<div><div>NEW!</div></div>	KNX Smart Touch Z13 (KNX Secure) CHTI-13.3/120.2.23	317×213×12.5mm	13.3" colored IPS touch screen, 1920*1080 resolution Support IP connection for APP control (coming soon), cloud intercom 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control (support song info), energy metering, air quality display etc. Support security monitoring and surveillance recording with access to IP CAM Support KNX secure and OTA update
<div><div>NEW!</div></div>	KNX Smart Touch Z10 (KNX Secure) CHTI-10.1/120.2.23	240×186.8×8mm	10.1" colored IPS touch screen, 1280*800 resolution Support IP connection for APP control, cloud intercom 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control (support song info), energy metering, air quality display etc. Support security monitoring and surveillance recording with access to IP CAM Support KNX secure and OTA update
<div><div>NEW!</div></div>	KNX Smart Touch S7 (KNX Secure) CHTF-7.0/120.1.22(White) CHTI-7.0/120.1.23(Gray)	180×86×11.8mm	6.9 inch color IPS capacitive touch screen, resolution 1440*720 Homepage support for function customization and building plan view programming 120 KNX functions, 30 KNX scene functions, with full KNX controls of switching, dimming, scene, shutter, AC, audio and air quality and energy metering display etc. Supports 16 Weekly timer, 8 scene group functions, 8 logic functions, HCL, Alarm Function Support sub-panel extension button or knob Support SIP video intercom, built-in APP server for APP control, cloud intercom Support the KNX Secure Support central control by synchronizing the devices from the cloud Support Sonos voice control & Google Assistance & Alexa voice control
<div><div>NEW!</div></div>	KNX Smart Touch S3 (KNX Secure) CHTF-3.3/3.2.10(White) CHTF-3.3/3.2.11(Black) CHTF-3.3/3.1.01(Gray)	86×86×10.4mm	3.3-inch color IPS capacitive touch screen, resolution 480*320 The structure and appearance feature a plastic frame and a surface with a multi-touch panel and 3 physical buttons to control devices/scenes. Supports SIP video intercom function Supports bluetooth environmental sensors connection Supports remote control and customizing scenes via mobile phone Built-in temperature and humidity sensor, proximity sensor Automatically adjusts screen and button indicators brightness Support the KNX Secure Support IP connection for APP control, no cloud intercom
	KNX Smart Touch V50s CHTF-5.0/15.5.21(Black) CHTF-5.0/15.5.22(White)	86×148.8×32.5mm 148.8×86×32.5mm	Standard KNX device with database & certificate 5" color capacitive IPS touch screen, resolution 480*854 16 time functions, 8 event group functions, 8 logic functions Password protection and customized screensaver Support switching, dimming, shutter control, HVAC control and other main KNX functions, built-in temperature proximity sensor. Supporting ring included for installation, fits 60mm/86mm wallbox
	KNX Smart Touch V40s CHTF-4.0/9.5.21(Black) CHTF-4.0/9.5.22(White)	86×101.3×32.2mm	Standard KNX Touch Panel with database & certificate 4" color capacitive IPS touch screen, resolution 480*480 16 time functions, 8 event group functions, 8 logic functions Password protection and customized screensaver Support switching, dimming, shutter control, HVAC control and other main KNX functions, built-in temperature humidity, proximity sensor. Supporting ring included for installation, perfectly fits 60mm/86mm wallbox
<div><div>NEW!</div></div>	KNX Waltz Touch+ Pad (KNX Secure) Plastic: CHTFB-3.0/6.S.00(White) CHTFB-3.0/6.S.01(Black) CHTFB-3.0/6.S.02(Silver) CHTFB-3.0/6.S.03(Gray) CHTFB-3.0/6.S.04(Gold) Metal: CHTFB-3.0/6.S.20(White) CHTFB-3.0/6.S.21(Black) CHTFB-3.0/6.S.22(Silver) CHTFB-3.0/6.S.23(Gray) CHTFB-3.0/6.S.24(Gold)	86×115×34.7mm	IPS capacitive touch panel & mechanical button, resolution 854*480 Aluminum frame and replaceable buttons(plastic/aluminum) Push Buttons adjustable for 1 or 2 button operation Built-in temperature sensor, RGB status LED indication Adjustable for button push length, NO or NC contact operation Short/long operation for KNX functions of lighting, scene control, shutter etc 3 years' warranty, 5 classic colors available Support KNX Secure
<div><div>NEW!</div></div>	KNX Waltz Push Button Sensor (KNX Secure) CHPB-04/02.5.2x(2-Gang) CHPB-06/02.5.2x(3-Gang) CHPB-08/02.5.2x(4-Gang) x=0, White; x=1, Black; x=2, Silver; x=3, Gray; x=4, Gold	86×86×33mm	Latest elegant KNX push buttons for WALTZ Series Push Buttons adjustable for 1 or 2 button operation Aluminum frame and replaceable aluminum button Built-in temperature sensor, with LED indication Adjustable for button push length, NO or NC contact operation Short/long operation for KNX functions of lighting, scene control, shutter etc Supporting ring included for installation, integrated bus coupling unit 3 years' warranty, 5 classic colors available Support KNX Secure

Product List

Picture	Name / Model	Installation / Dimension	Function	
	KNX Touch Button Slim, 2/4/6-Button CHTB-02/01.2.2x, CHTB-04/01.2.2x CHTB-06/01.2.2x(x=0, 2, 4)	86×86×8.9mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene Bi-LED indication Glass touch control	
	KNX CO₂/Temp/Humidity Sensor, 55mm (KNX Secure) CHAQ-03/55.2.00	70.8×70.8×19.3mm	Built-in CO ₂ & temperature & humidity sensor 2 external inputs of dry contact or NTC temperature detection Support control modes: heating/cooling, with 2/4-pipe system HVAC operation modes: comfort, standby, economy, protection Temperature logic algorithm supports 2-point and PI control Air quality level function: humidity control(4 levels), CO ₂ level output(4 levels) Air quality controller: humidity control(step), CO ₂ level output(step & PI) Support alarm function Support KNX Secure	
	KNX Push Button Sensor with LCD, 55mm (KNX Secure) White shiny: CHPBL-03/00.1.00 White matt: CHPBL-03/00.2.00 Black matt: CHPBL-03/00.2.01	55.3×55.3×19.3mm	LCD Display, resolution 240*240 Built-in temperature & humidity sensor, 2-fold input interfaces Option 1: Push Button(3 pages, 4 object/p) for all KNX functions Option 2: Thermostatic pages, AC(FCU, VRF), floor heating and ventilation Option 3: Background music pages: author/album/song display Support KNX Secure	
	KNX Thermostat Lite, 55mm (KNX Secure) CHTL-02/00.2.00	55.3×55.3×19.3mm	Built-in temperature and humidity sensor Control modes: heating/cooling, with 2/4-pipe system HVAC operation modes: comfort, standby, economy, protection Temperature logic algorithm supports 2-point and PI control Support 2 external inputs of dry contact or NTC temperature detection Support the KNX Secure	
<div><div>NEW!</div></div>	KNX Push Button Sensor with Display, 55mm, 1/2/3/4-gang CHPBD-06/55.1.0y, CHPBD-08/55.1.0y CHKAM-0x/55.1.0y Matt, CHKAG-0x/55.1.0y Glossy (x=2,1-gang, y=1,2-gang, y=6,3-gang, x=8,4-gang) (y=0) White; y=1, Black)	55.4×55.4×20.8mm	Individual/linked button functions for all kinds of typical KNX functions 1.9" LCD Display with 1/2/3/4 gang push buttons, easy label customization Room temperature controller, support heating, cooling mode and HVAC mode Advanced functions of panel lock, screen saver, alarm, logic, scene group, slap function Built-in temperature, humidity and proximity sensors and 2 folds input (Binary/NTC Temp.sensor)	
	KNX Switch Actuator 4/8/12-Fold, 16A/20A (KNX Secure) (16A) (16A Current Min) (20A) ARSA-04/16.S ARCD-04/16.S ARSA-04/20.S ARSA-08/16.S ARCD-08/16.S ARSA-08/20.S ARSA-12/16.S ARCD-12/16.S ARSA-12/20.S	DIN rail 72×90×64mm 144×90×64mm 216×90×64mm	Manual switch operation, switch status response Reaction after bus voltage failure and recovery Scene and preset control Logic operation with AND, OR, XOR, gate function Forced operation and safety function, threshold and time function NORMAL version and CURRENT MEASUREMENT version for option Support KNX Secure	
<div><div>NEW!</div></div>	KNX Multifunctional Actuator 3-Fold, 6A, Flush Mounted (KNX Secure) AMMAF-03/06.S	Flush Mounted 53×48.3×23.5mm	Switch output Curtain output Valve control Dry input detection	Fan control Heating control Drive LED indicator Support KNX Secure
	KNX Multifunctional Actuator 4/8/16/24-Fold (KNX Secure) AMMA-04/06.S, AMMA-08/10.S AMMA-16/10.S, AMMA-24/10.S	DIN rail 36×90×64mm 72×90×64mm 216×90×64mm	Multifunctional actuator with flexibility, one actuator for all functions Max. 24 folds of switching output for lighting, socket etc Max. 12 folds of AC/dry contact shutter/blinds control Max. 6 folds of DC shutter/blinds control Max. 6 folds 3-level fan speed control 2/4-pipe valve system of both 3-point type and ON/OFF type Support KNX Secure	
	KNX Shutter Actuator 4-Fold AWBS-04/06.2	DIN rail 72×90×64.1mm	Movement UP/DOWN Stop/Louwer adjustment Move to position 0...100% Scenes Automatic sun protection Block Forced operation LED display	Move into preset position(up to 2 preset positions) Set preset position(modification of the preset position during operation) Adjustment lower to position 0...100%(only Blind working mode) Monitoring of wind, rain and frost protect(cyclical) Status reply of the current position, status reply of the current operating mode Two operation mode: Venetian Blind and Shutter
	KNX Fan Coil Actuator with 0-10V AFVFT-07/10.1	DIN rail 72×90×64mm	Support 2/4 pipes HVAC system Support 2 wire or 0-10V valve type Support 2-point control or PI control methods for local Support relay/0-10V drive fan, 3-level fan speed	Standby/comfort/night/protect mode Channels can be reused as switch output Manual operation and LED indication Support 3-wire PT1000 sensor

Product List

Picture	Name / Model	Installation / Dimension	Function	
NEW!	KNX Heating Actuator with Traic 6-Fold (KNX Secure) AFHT-06/05.1	DIN-rail Mounted 72×90×64mm	Supports 24V AC or 230V AC thermal drive. 6 independent valve outputs, Max 300mA/channel 6 channels of room temperature controller: support heating/cooling mode, integrating 2-point and PI control algorithm, with 5 scenes functions Support KNX Secure Not support fan speed control	
	KNX Room Controller Smart AMRS-41/05.3	DIN rail 216×90×64mm	Dry contact and binary inputs LED indications Switch/shutter outputs Triac dimming	Fan coil output 0-10V dimming Logic, Time and Scene group functions Support KNXnet/IP tunneling/routing
NEW!	KNX Universal Dimming Actuator 1-Fold, Flush Mounted (KNX Secure) ADUDF-01/01.1	DIN rail 53×53×23.5mm	Max. load 200W, leading/trailing edge phase dimming control Un rated voltage 230V AC, 50/60Hz Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function 8 logic function Dimming curve adjustment(6 options+1 Customization) in ETS Dry contact: 4 fold input + 4-fold input/ LED output, LED indicator(5V/12V, Max. 4mA, Common Anode) Support KNX Secure	
NEW!	KNX Universal Dimming Actuator, 1/2/4-Fold (KNX Secure) ADUD-01/02.3 ADUD-02/02.3 ADUD-04/02.3	DIN rail 36×90×64mm 72×90×64mm 144×90×64mm	Max. load 300W, leading/trailing edge phase dimming control Un rated voltage 110-230V AC, 50-60Hz Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function. 8 logic function Dimming curve adjustment(6 options+1 Customization) in ETS Manual operation and Output indication function Operating hours counter function Support KNX Secure	
	KNX LED Dimming Actuator, 4-Fold, 4A ADLD-04/03.1	DIN rail 72×90×64mm	Switching Relative and absolute dimming Status report, error report Scene and preset function	Staircase lighting function Preset a Brightness value after bus voltage recovery Constant voltage drive mode Manual operation and status indication
	KNX 1-10V Dimming Actuator 4-Fold, 16A (KNX Secure) ADTV-04/16.S	DIN rail 144×90×64mm	Switching Relative and absolute dimming Status report, error report Scene and preset function Passive DC 0/1-10V drive mode	Staircase lighting function Preset a Brightness value after bus voltage recovery Manual operation and status indication Support KNX Secure
	KNX Air Quality Sensor CSAQI-06/00.1.00 CSAQI-06/00.1.01	86×86×48.3mm	PM2.5, PM10, VOC, AQI, CO ₂ detection and display Temp, humidity detection and display Warning for value detection Heating or cooling control output	Built-in ventilation controller Logic control functions VOC, CO ₂ alarm output AQI, Humidity level alarm output
NEW!	KNX Presence Sensor, Microwave (KNX Secure) CSBPM-04/00.1.00 CSBPM-04/00.1.01 CSBPM-04/00.2.01	Ceiling-Mounted ø65×38mm	Detections of normal movement, tiny movement and static presence, with 24GHz millimetres wave technology Sensitivity is configurable and can be adjusted by day/night Internal temperature and humidity sensors Constant lighting control RTC controller functions Logic functions and scene group functions Internal brightness sensor (Full black color not support) Support KNX Secure	
NEW!	KNX Motion Sensor, PIR (KNX Secure) CSBP-04/00.1.00 CSBP-04/00.1.01 CSBP-04/00.2.01	Ceiling-Mounted Wall-mounted ø70×51.5mm (Round) 86×86×51.5mm (Square)	Detection of movement, with ordinary pyroelectric infrared technology Internal brightness sensor, and control the light via brightness threshold and also control logically with motion signal Internal temperature and humidity sensors Constant lighting control RTC controller functions Logic functions and scene group functions Support KNX Secure Support both ceiling and wall-box mounting Internal brightness sensor (Full black color not support)	

Product List

Picture	Name / Model	Installation / Dimension	Function	
NEW!	KNX Dual Presence Sensor, PIR & Ultrasonic CSBPU-04/00.1.00	Wall-mounted ø111.5×67mm	Built-in brightness sensor With PIR & Ultrasonic detection technology Multiple way of trigger: PIR&UT, PIR or UT, PIR only, Ultrasonic only Support Master/slave work mode, central-off, presence simulation function Four channels can be used as Constant lighting Control, Twilight Switch, HVAC control	
NEW!	KNX GPS Weather Station CSWS-04/00.1.00	Surface-mounted 113×101×225mm	Built-in GPS receiver, Temperature sensor, Rain sensor, Brightness sensor(3pcs), Wind sensor(3) to detect wind speed only, Shading(8 facade), 3 Calendar time switch(2 witch each day), 1 weekly time switch(each day 4 switch control), Night recognition, Dawn detection, Logic(6 AND, 6 OR).	
NEW!	KNX GPS Weather Station Pro CSWSP-07/00.1.00	Surface-mounted 260×145×300mm	Built-in GPS receiver(able to calculate sun position), Temperature sensor, Rain sensor(4), Brightness sensor(5pcs), Humidity sensor. Wind sensor(4 threshold) to detect wind speed & wind direction, Shading(12 facade), 4 Calendar time switch(2 witch each day), 24 weekly time switch(each day 1 switch control). Pressure detection, Night recognition, 1 willight detection, Logic(8 AND, 8 OR), Computer(6). Summer compensation, Frost Alarm, Dew Point Measurement, Comfort field.	
	KNX Gateway for IR, Ceiling BTIRC-01/00.2	Ceiling-Mounted 91×82×76mm	360 degree full direction transmitting Support multi-emitting and delayed-emitting Installation height is max.4m, the transmitting distance is max.3m(radius) Support Universal IR control, up to 30 IR code Support Air-condition control, up to 266 IR codes	
	KNX Gateway for IR, 2-Fold, Flush mounted BTIRF-02/00.2	80/60mm wall box ø53×23.5mm	2 channels, flush mounted Support multi-emitting and delayed-emitting The transmitting distance is max.2m Support Universal IR control, up to 30 IR code Support Air-condition control, up to 266 IR codes Supports current detection, up to 10A	
	KNX IR Learner BTIL-01/00.2	18×20×77mm	Capability of learning over 95% remote control units in the market USB to communicate with PC, easy to learn and store IR codes from remote	
	KNX Universal Interface, 4-Fold KI/U 0401.1	46×46×11.7mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene	Switching sequence Counter Multiple operation LED indication output
NEW!	KNX Universal Interface with NTC Input, 4-Fold (KNX Secure) CTUIF-06/04.1	46×46×11.7mm	4-fold input & 4-fold input/LED output 5 dry contact input, 5V/12V DC LED output 2-fold NTC Input(10K Temp. sensor) 2-fold room temperature control Switching and dimming, RGB/RGBW	Blind and shutter control Scene control and value sending Shift register, multiple operation, delay mode Group event, Logic functions
	KNX Binary Input for Floating Contact, 4/8/16-Fold CTBI-04/00.1 CTBI-08/00.1 CTBI-16/00.1	DIN rail 36×90×64mm 72×90×64mm	Switching and dimming Shutter function Value sending Recall and storage scene Shift register function	RGB and RGBW dimming Multiple operation Delay mode logic functions Event Group function
	KNX Binary Input, 4-Fold CTBI-04/00.1	DIN rail 36×90×64mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene	Switching sequence Multiple operation LED indication Manual operation

Product List

Picture	Name / Model	Installation / Dimension	Function
	KNX IP Interface (KNX Secure) BNIP-00/00.S, BNIPC-00/00.S	DIN rail 36 × 90 × 64 mm	Support KNX Secure Support KNX/IP Tunneling Can be used as the programming interface for other KNX devices Support UDP telegram and port number 3671 Support up to 5 KNX IP client connections Support remote programming (BNIPC-00/00.S)
	KNX Gateway for RS485/RS232 BTPG-04/03.1	DIN rail 72 × 90 × 64 mm	Support the integration of Modbus and KNX system, with master and slave mode, and up to 500 datapoints. Support data communication between RS232 and KNX system, and up to 100 datapoints Support the control of VRV/VRF air conditioners with Modbus RTU control protocol, such as DAIKIN, HITACHI, Mitsubishi, Fujitsu, Gree, Teshiba, etc. Support the control of DOOYA 485 curtain motor Support the control of background music system
	KNX/DALI Gateway, 1/2-Fold BTDG-01/64.1, BTDG-02/64.1	DIN rail 72 × 90 × 64 mm	Two-channel gateway with broadcast function 64 DALI devices per channel for single device, 32 DALI group control per channel Various status feedback, e.g. switch, brightness, operation hours etc Fault detection of lamps and ballasts for DALI devices Monitoring DALI bus voltage, DALI bus current and DALI bus short circuit status
	KNX/DALI-2 Gateway, 1/2-Fold (KNX Secure) BTDG-01/64.2, BTDG-02/64.2	DIN rail 72 × 90 × 64 mm	DALI telegram broadcast function, fault detection of lamps and ballasts of DALI devices. For each fold, Max.64 DALI devices can be controlled, including switch, dimming, brightness, color and color temperature control, 16 group control, 16 scene control. Support DALI-2 device types of DT6, DT8 color control, color type including RGB color, RGBW color, XY color, Color temperature. Support DCA APP in ETS, 8 behaviour templates.
	KNX Gateway for Tuya ZigBee, Premium BTMO-1Y/00.3, BTMO-1Y/00.4	36 × 90 × 64 mm	Work as a Tuya/Zigbee Gateway to connect to Tuya Cloud and add Tuya device Upload KNX devices to Tuya platform to control and display status Support KNX functions: switching, dimming, curtain, scene, AC control, background music, air quality and energy metering display etc. Logic functions Support bidirectional communication between Zigbee and KNX device
	KNX Multifunctional Gateway BTAL-06/05.1	144 × 90 × 64 mm	APP Server for GVS Smart APP 6 folds RS485 interface for connecting with RS485 input 5 folds dry contact input 1 fold LAN port for integrating with TCP/IP devices 1 fold WAN port for cloud and local communication Configured by "GVS Smart Assistant" app
	KNX IP Router (KNX Secure) BNIPR-00/00.S	DIN rail 36 × 90 × 64 mm	Support 4 client connections Support KNXnet/IP, ARP, ICMP, IGMP, HTTP, UPnP, UDP/IP, TCP/IP, DHCP and Auto IP Can be used as line/backbone coupler to couple ethernet and KNX-TP lines Support filter table routing function Can be used as the programming interface Support KNX Secure
	KNX Line Coupler BNLC-00/00.3	DIN rail 36 × 90 × 64 mm	As a KNX line coupler, it connects main line to backbone line, or line to main line As a KNX line repeater, it extends the length of bus line and the number of KNX devices
	KNX USB Interface BNTP-USB/00.1	77 × 20 × 18 mm	An interface between PC and KNX bus to configure, parameterize and commission KNX bus Support long frame
	KNX Power Supply, 640mA BBPS-02/640.1	DIN rail 72 × 90 × 64 mm	Input voltage 95V-255V AC, 50/60Hz, output 1: 30V DC +1/-2V, SELV with choke; output 2: 30V DC +1/-2V, SELV without choke, total 640mA, short-circuit-protection. Current level indicator The minimum distance between 2 power supply in a line is 300meter

Product Series

Video Intercom System
P. 021 - P. 038

