Building Automation
KNX Product Line Introduction

Product Strategy Center   info@meanwell.com

▼ Introduction

▼ Product Category and Road Map

▼ KNX in A House

▼ Advantages

▼ Applications

Why choose KNX product?

International Standard

- The only home and building control standard running global certification schemes
- Open platform for any manufacturer to develop

Reliability

- Product compliance checked at neutral third-party test laboratories.
- Standardized connector prevents misconnection
- Standardized cable to ensure transmission quality
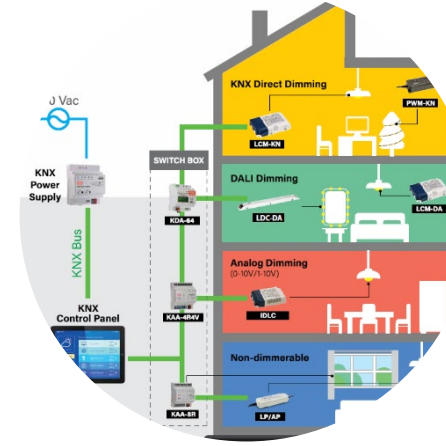
Endless Flexibility

- Support all systems in the building
- Easy to change existing setting
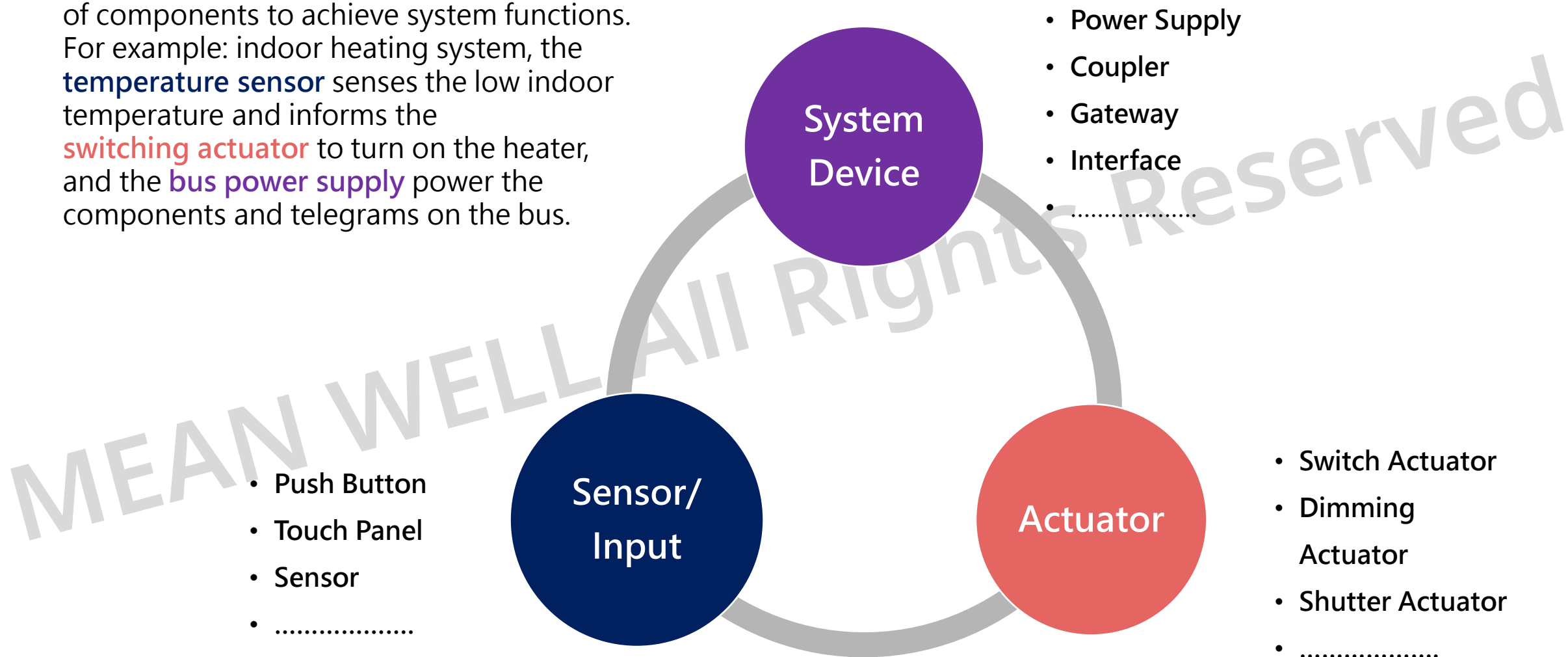- Scene function to provide max. comfortability

Software

- One PC software tool for Design, Configuration, Diagnostics
- Multi-language
- Easy management from various devices

3

Product Category

A basic KNX system needs to include three types of components to achieve system functions. For example: indoor heating system, the **temperature sensor** senses the low indoor temperature and informs the **switching actuator** to turn on the heater, and the **bus power supply** power the components and telegrams on the bus.

System Device
- Power Supply
- Coupler
- Gateway
- Interface
- ....

Sensor/ Input
- Push Button
- Touch Panel
- Sensor
- ....

Actuator
- Switch Actuator
- Dimming Actuator
- Shutter Actuator
- ....

4

Product Category

MEAN WELL

※ Please click on series names for related specifications.

Bus Power Supply		1280mA KNX-40E-1280(D)	KNX Actuator		4ch Dimming actuator KAA-4R4V-S series
		640mA KNX-20E-640			8ch Universal actuator KAA-8R-S series
Interface		KNX-USB Interface KSI-01U	LED Driver		C.C Mode output with KNX dimming LCM-25/40/60KN series
		Line Coupler KSC-01L			C.V PWM output with KNX dimming PWM-60/120/200KN series
		KNX-IP Router KSR-01IP	KNX to DALI Gateway		DLC-02-KN

Blind/Shutter Control

Logic Function

Lighting Control

Heating Control

Push Button Interface

CC Constant Current Driving Mode

CV Constant Voltage Driving Mode

0-10V DC 0-10V Dimming Control

PWM PWM Style Output Mode

Data Secure

Road Map

System Device

KNX Power

640mA
KNX-20E-640

1280mA with diagnostic
KNX-40E-1280(D)

Interface

KNX-USB Interface
KSI-01U

Line Coupler
KSC-01L

KNX-IP Router
KSR-01IP

KNX->DALI Gateway
DLC-02-KN

Actuator

KNX Actuator

4ch Dimming actuator (secure version)
KAA-4R4V-S

8ch Universal actuator (secure version)
KAA-8R-S

LED Driver

C.C Mode output with KNX dimming
LCM-25/40/60KN Series

C.V PWM output with KNX dimming (secure version: PWM-200KN)
PWM-60/120/200KN Series

KNX in A House

KNX product covers various

applications in modern buildings
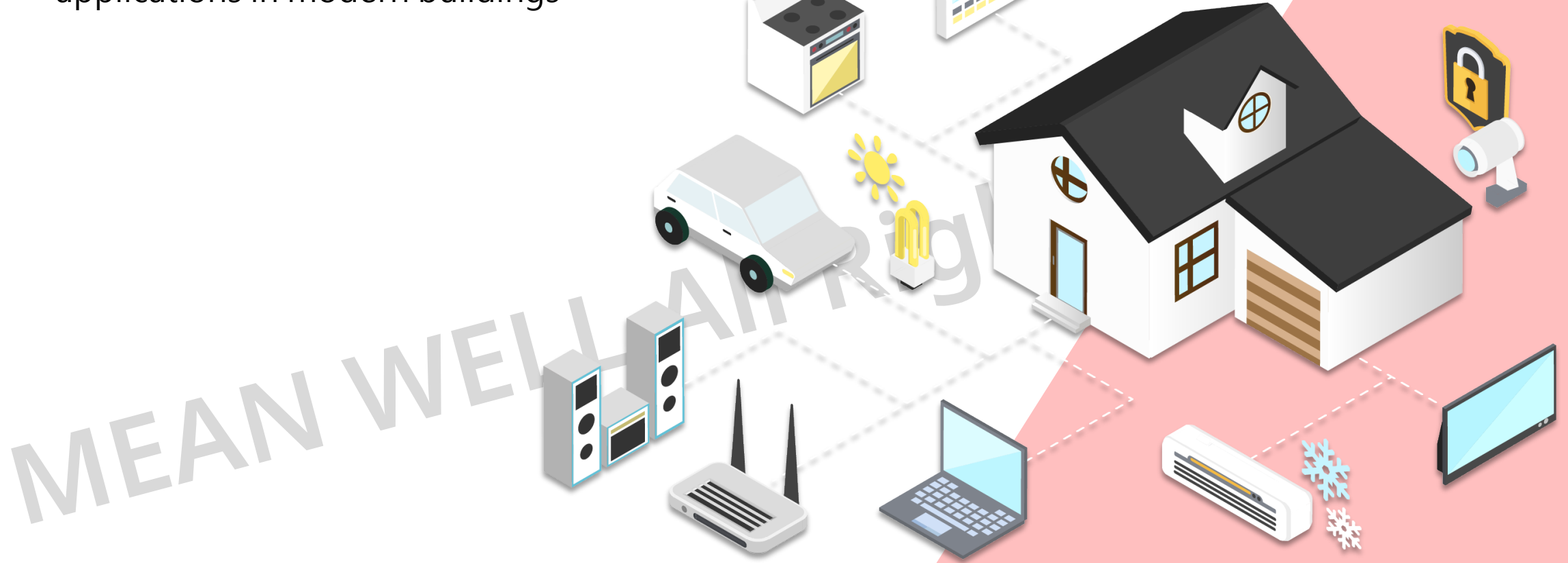
Applications

Lighting

It is suitable for indoor lighting in industrial, commercial office buildings and private houses. Fully digital control is realized. In addition, it supports other lighting systems such as 1-10 V lighting control, DALI via gateway
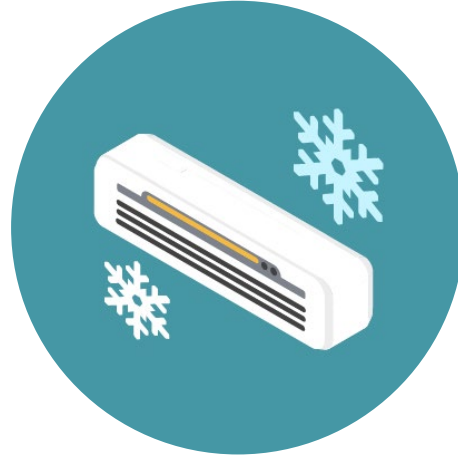
HVAC

Heating, ventilation and air conditioning system is integrated into the KNX system for control and monitoring temperature and humidity to achieve comfort environment and better air quality

Energy management

KNX intelligent building control system provides a variety of control and interface solutions for reducing building operating costs and use the energy efficiently according to demand

Applications

Household Control

With a smart switch, you control the AV in the home at user preference, with KNX IP router, Internet of things is realized to remotely control the house

Shutter / Blind Control

The blinds and shutters are automatically controlled via the motion sensor to achieve the optimum light level according to natural light level which also helps to improve indoor climate

Security

Sensors such as smoke detector and window open detection can be integrated into security alarm and video surveillance system to perform building monitoring, connect to the fire warning system for early notification, emergency lighting and escape guidance

WHY MEAN WELL

P ▶ **Products**

More than10,000 models, continues to introduce 10% new models and EOL 5% every year

Q ▶ **Quality**

High reliability and quality indicator
Post-sales failure rate decreases by 10% each year

C ▶ **Cost**

High cost-performance products, stable material price, complete supply chain integration

D ▶ **Delivery**

24-hour delivery for small amount order.
14-day delivery for frequent purchase standard products.

S ▶ **Service**

MEAN WELL Group and distributors provide services 24 hours a day, and commit to reply within 24 hours

R ▶ **Reliable Relationship**

75% of revenue come from long-term distributors and customers

Your Reliable Power Partner