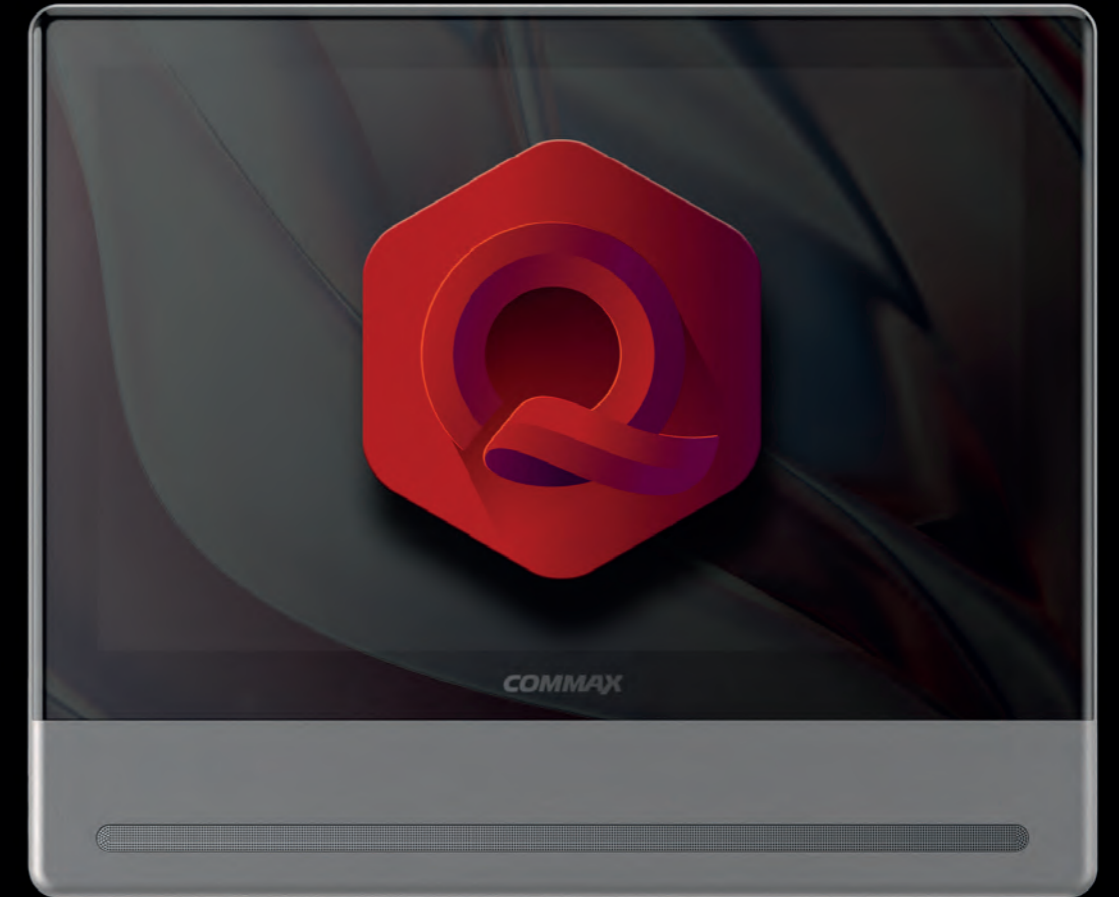




AI HOME GUIDE

APARTMENT & CONDO



The Q series is built to the highest quality level, using the most advanced technology with A.I. to create a perfect and customized living experience.

[Q] Series



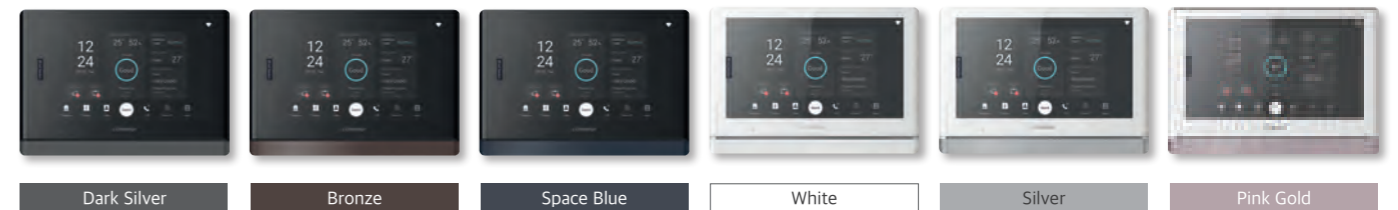


Technology meets design.
 The Slim edge [Y] Series offers a unique design and makes your space more special.

[Y] Series



10.1 inch Monitor Color



A.I. Home Solution

Smart A.I. service is an integrated digital voice assistant that will enhance your living experience, by allowing you to interact with your home with regular speech.

There are many monitor options, for different types of communities and they all fully support IoT and smart home device integration. These smart homes can be connected over a standard IP network with different server options to create a fully connected smart community.



A.I. SMART MIRROR [ANSWER S] NEW

CSM-3200 (MASTER)
CSM-3200(S) (SLAVE)

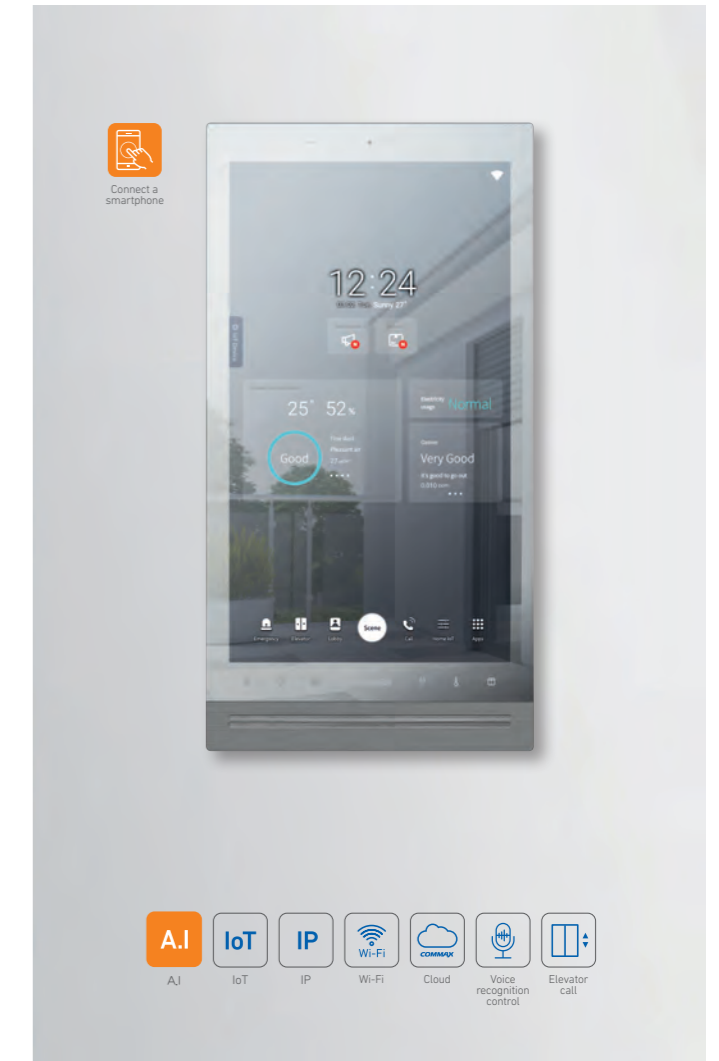


- Connects to IoT devices
 - SIP, WiFi, Zigbee • TCP/IP Communication
 - Applicable for Household, Hotel, Retail outlets
 - Android based UX • Providing Full HD smart mirroring environment
 - Voice recognition
- Convenience : News, Calendar, Public Notice
Smart Home : Gas & Boiler and light extinguishment control
Security : Emergency alarm, CCTV linked security and disaster prevention

Power source	AC 100V~240V, 50~60Hz
Display	32 inch TFT LCD
Resolution	1080 x 1920 (Full HD)
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Camera	5M CMOS
Mic / Speaker	Digital MEMS x 2 / 1W x 2
Network	Ethernet(10/100/1000 Base-T), Bluetooth, Wi-Fi (2.4GHz, 5GHz 802.11a/b/g/n/ac), ZigBee
Wiring ports	UTP (CAT.5e)
Dimension(mm)	465(W)x845(H)x50(D)

A.I. HOME MIRROR [ANSWER H] NEW

CHM-2200 (MASTER)
CHM-2200(S) (SLAVE)



- Control smart home devices with voice UX via A.I. speaker
- Smart home device and sensor interworking by wire(485) and wireless(ZigBee)
- Frequently used functions are easily operated by buttons
- Door camera - video call, monitoring, door open / Lobby video call and door open / guard station call and talk
- Smart home control and video call through mobile App

Power source	DC 12V, 5A
Display	21.5 inch(54.6cm) TFT LCD
Resolution	1080 x 1920 (Full HD)
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Camera	5M CMOS
Mic / Speaker	Digital MEMS x 2 / 1W x 2
Network	Ethernet(10/100/1000 Base-T), Bluetooth, Wi-Fi (2.4GHz, 5GHz 802.11a/b/g/n/ac), ZigBee
Wiring ports	UTP (CAT.5e)
Dimension(mm)	313.4(W)x600.4(H)x27.6(D)

A.I. MONITOR [ANSWER T] CAP-1001A (MASTER) CAP-1000A (SLAVE)

NEW



- Control smart home devices by voice recognition
- Connect to IoT devices (switch, curtain, blind, gas lock, power outlet and plug)
- Opened door, temperature, humidity and motion detection
- Connects with smartphone
- Screen brightness optimized by lighting sensor

Power source	DC 12V
Display	10.1 inch(25.7cm) TFT LCD
Resolution	1280 x 800 (HD)
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Mic	Digital MEMS x 2
Speaker	10W FR X 2ch + Passive Radiator
Network	Wi-Fi (2.4GHz, 802.11b/g/n), ZigBee (2.4GHz HA1.2), Bluetooth
Sensor	Illuminance, Proximity
Dimension(mm)	250(W)x210(H)x106.3(D)

MONITOR CIOT-1000YN

NEW



Window Color	Cover Color
● Black smog	● Dark silver
○ White	○ White
	● Space blue
	● Bronze
	○ Silver
	● Pink gold

- Google A.I. speaker interwork and voice recognition
- Automatic recording function (door camera motion detection)
- Connectable to both, wireless IoT devices (Zigbee) and wired devices (485)
- Smartphone integration through COMMAX IoT app
 - Door camera, lobby phone, visitor call, door open
 - IoT device control, status monitoring
 - Push notifications in case of emergency, intrusion detection
- Easy registration door camera and CCTV via auto scan
- Visitor storage function (32GB of external memory)

Power source	PoE S/W
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
OS	Android
Network	Wi-Fi 2.4GHz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	261(W)x184(H)x26(D)

MONITOR CIOT-1020M2



- Google A.I. speaker interwork and voice recognition
- Automatic recording function (door camera motion detection)
- Connectable to both wireless IoT devices (Zigbee) and wired devices (485 or General type)
- Smartphone integration through COMMAX IoT App
 - Door camera, lobby phone, visitor call, door open
 - IoT device control, status monitoring, Push notifications
- Easy registration door camera and CCTV via auto scan

Power source	PoE S/W
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
Resolution	1280 x 800
CPU	Quad core
OS	Android
Video codec	H.264
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible), Ethernet(SIP)
Dimension(mm)	308(W)x213(H)x23(D)

MONITOR CIOT-700M2



- Google A.I. speaker interwork and voice recognition
- Automatic recording function (door camera motion detection)
- Connectable to both wireless IoT devices (Zigbee) and wired devices (485 or General type)
- Smartphone integration through COMMAX App
 - Door camera, lobby phone, visitor call, door open
 - IoT device control, status monitoring, Push notification
- Easy registration of door camera and CCTV through auto scan function

Power source	PoE S/W
Display	7 inch TFT LCD
Mount type	Wall-mounted type
CPU	Quad core
OS	Android
Network	Wi-Fi 2.4GHz, IEEE 802.15.4, Zigbee HA 1.2(Compatible), Ethernet(SIP)
Dimension(mm)	244(W)x180(H)x18(D)

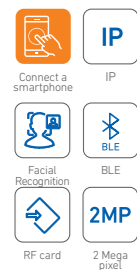
MONITOR CIOT-700ML



- SIP-based VoIP System
- Connects to ACC alarm
- Auto detecting slave monitor
- TCP/IP Communication
- Smartphone integration through COMMAX App
 - Door camera, lobby phone, visitor call, door open
- Automatic recording function

Power source	PoE S/W
Display	7 inch TFT LCD
Mount type	Wall-mounted type
CPU	Quad core
OS	Android
Network	TCP/IP
Dimension(mm)	244(W)x180(H)x18(D)

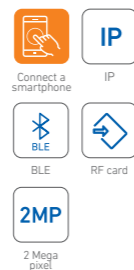
FACE RECOGNITION LOBBYPHONE CIOT-LB10



- Facial recognition
- E-Key function(Connect a smartphone)
- Door open by RF card/password
- Able to post local advertisements

Power source	DC 14V
Display	10.1 inch(25.7cm) TFT LCD
Resolution	1024 x 600
CPU	Quad core
OS	Android
Camera	2M IP Camera(Wide angle 150°)
Mount type	Flush-mounted type
Dimension(mm)	260(W)×270(H)×26(50)(D)

ENTRANCE STATION CIOT-L20M · L20M2



Rainshield(option)

Case Color ● Space blue ● Silver ● Dark gray

- Name searching through LCD display
- SIP-based VoIP system
- 2MP camera
- BLE recognition
- TCP/IP Communication
- RFID card
- Motion Detection
- Used as a gate phone and lobby phone at barrier gate of parking
- Elevator Call function (Connects to CCU-310EV) (CIOT-L20M2)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Flush-mounted type
Operation temp.	-20°C~+50°C
Wiring ports	LAN(Cat.5e)
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)
Fill up box size(mm)	220(W)×240(H)×81(D)

ENTRANCE STATION CIOT-24XM



Rainshield
(option)

- Extension panel with name plate
- Call a household unit
- 24 button for house call

Direct button	24 Button (max)
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

DOOR CAMERA CIOT-D20Y



- Door lock release(DC type)
- SIP-based VoIP system
- Touch button
- Digital Door lock connectable
- Indoor Unit
- Echo cancelling function

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	120°
Video codec	H.264
Dimension(mm)	108(W)×146(H)×28(D)

DOOR CAMERA CIOT-D21M · D20M

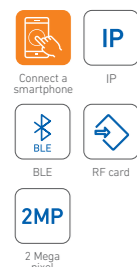


CIOT-D21M CIOT-D20M

- Door lock release(DC Type)
- Acrylic/Metallic cover
- Tact button(CIOT-D21M), Touch button(CIOT-D20M)
- SIP-based VoIP system
- Echo cancelling function

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	120°
Video codec	H.264
Dimension(mm)	112(W)×146(H)×28(D)

ENTRANCE STATION CIOT-L20MP



Rainshield
(option)

- House call by household number
- Security office call enable
- Name searching through OLED display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION CIOT-L7FM

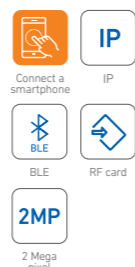


Rainshield
(option)

- House call by household number
- Security office call enable
- Name searching through LCD display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION CIOT-L8TM·L2TM·L10M



Rainshield
(option)

- Hidden Pinhole Camera (CIOT-L8TM)
- Security office call enable
- Name searching through OLED display
- SIP-based VoIP system
- BLE recognition
- Registering RFID card

Power source	DC 14V
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

DOOR CAMERA CIOT-D20P



- Vandal proof design
- Button LED
- 2 door open
- Waterproof(IP 67)
- SIP-based VoIP system
- Echo cancelling function

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	90°
Protection class	IP67
Operation temp.	-10°C ~ +40°C
Video codec	H.264
Dimension(mm)	59(W)×164(H)×42(D)

GUARD STATION CIOT-G700M · G701M



- SIP-based VoIP system
- Emergency check and release
- House call and talk
- Saving visitors image & video clip(Main entrance)
- Check visitors at security office from the household monitor (CIOT-G701M)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop / Wall-mounted
Camera	VGA
OS	Android
Video codec	H.264
Dimension(mm)	252(W)×247(H)×33(D)

SIP GATEWAY CGW-1KM



- SIP user (unit) registration function (100 units)
- Control of emergency and event history management for SIP user
- Control of Access device (Lobby phone) by password and card

Power source	PoE S/W
CPU	Dual Core
RAM	DDR3 / 1GB
Flash	eMMC 4GB
OS	Linux
Network	SIP
Dimension(mm)	104(W)×94(H)×29(D)

4(8) PORT POE S/W CIOT-H4L2 · H8L2



- 4(8)ch x 10/100Mbps port
- 4(8)ch x supporting network cable powering
- 4(8)ch x cascading LAN interfaces
- Built-in voltage-stabilized power

Power source	AC 100~240V, 50/60Hz
PoE output	DC 48~52V
Speed	4/8ch x 10/100Mbps
Wiring ports	UTP (70m)
Dimension(mm)	CIOT-H4L2 :
	200(W)x120(H)x40(D)
	CIOT-H8L2 :
	270(W)x180(H)x44(D)

SERVER CHS-60DS/LS/BS



- COMMAX LINUX server based embedded system
- IP digital method housing install

CPU	Intel2 Xeon 6generation E-2124 (Quad core(4) / 3.5GHz / 8MB)
RAM	16G DDR3 PC4-2400 ECC/REG
HDD	1TB S-ATA3 6G, 7200rpm, 64MB * 2EA RAID
Power	AC100-240V, 10A, 50/60Hz
Dimension(mm)	437(W)x648(H)x89(D)

SERVER CHS-30DS/LS/BS



- COMMAX LINUX server based embedded system
- IP digital method housing install

CPU	Intel Xeon E5-1230v5 (octacore / 3.4GHz)
RAM	8G DDR3 PC3 10600(4G x 2)
OS	Embedded Linux
HDD	1TB SATA3, 7200rpm, 64MB
Network	10/100/100 realtec CHIP
Dimension(mm)	430(W)x88(H)x550(D)

LAYER 3 SWITCH CSS-24H3/DY



- Twenty 100/1000Base-X ports and four GE combo ports
- Subcards supported : 4x1000Base-X SFP subcard, 2x10GE SFP+ subcard and 4x10GE SFP+subcard

Downlink port	Twenty-four 10/100M electrical ports
Uplink port	2GE electrical ports 2GE SFP optical ports
MAC address table	8K MAC
Input voltage	AC100-240V, 50/60Hz
Power consumption	20W
Operating temp.	0°C~45°C
Dimensions(mm)	442(W)x44(H)x220(D)

SERVER CHS-40DS/LS/BS



- COMMAX LINUX server based embedded system
- IP digital method housing install

CPU	Intel2 Xeon Processor E-2124 V8 (3.3GHz/8M)
RAM	16G DDR3 PC4-2400 ECC/REG 8G x 2EA
HDD	1TB S-ATA3, 7200rpm, 64MB
Power Supply	AC100-240V, 10A, 50/60Hz
Dimension(mm)	437(W)x594(H)x44(D)

LAYER 2 SWITCH CSS-24H2/DY

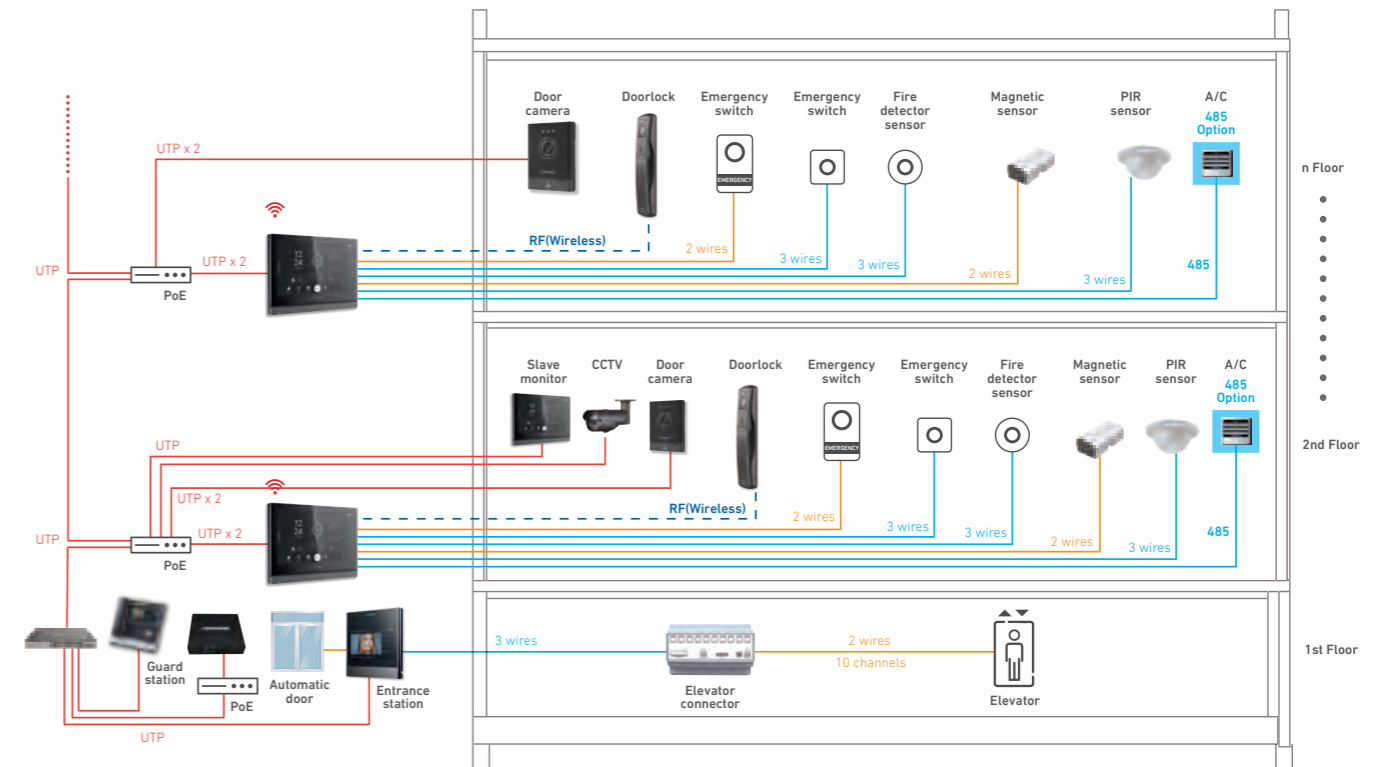


- Twenty-four 10/100M Ethernet electrical port
- Two GE RJ45 ports
- Two GE SFP port
- AC Power supply
- Packet forwarding rate : 9.6 Mpps
- Switching capacity : 12.8 Gbps

RAM	63W
Fixed port	20x100/1000Base-X ports and 4 Combo
Forwarding performance	96Mpps
Switching capacity	128Gbps
MAC address table	32K
Input voltage	AC 100-240V, 50/60Hz DC -48V~-60V
Dimension(mm)	442(W)x44(H)x420(D)

APPLICATION | A.I. HOME SOLUTION

IP BUS



IP GATE SYSTEM

This solution is specialized for households:
It is a complete solution that is easy and fast to install
and can be deployed to an infinite number of households.



MONITOR CIP-710QP

NEW

MONITOR CIP-710M



Case Color ● Neo-Silver ● Gold

- Door open for entrance station
- Full touch display
- AHD 1MP door camera
- Security call
- Emergency switch
- Video recording
- Image recording (Mini SD card 16GB)(option)

Power source	PoE S/W
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Resolution	1024 x 600
Network	Ethernet(10/100 Base-T), RS485
VoIP / Camera	SIP / Under AHD 1MP
Wiring ports	UTP (CAT.5e) /Door camera : 4 wires, RS-485 : 3 wires Digital door lock : wireless (RF-447), Sensor : 5 wires
Dimension(mm)	184(W)x171(H)x22(D)

- SIP based IP monitor
- AHD 1MP door camera
- DID function
- Guard and elevator call via RS-485
(Optional connecting CCU-310EV)
- Connecting security, emergency, PIR devices and a digital door lock

Power source	AC 100~240V(50~60Hz)(option) or DC 14V
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Video / Resolution	H.264 / 1024 x 600
OS	RTOS
Network	Ethernet(10/100 Base-T)
Distance	Door camera : 28m(Ø0.5), Hub : 100m(UTP)
Wiring ports	Door camera : 4 wires, RS-485 : 3 wires, Sensor : 5 wires, Digital door lock : wireless(RF-447) Hub : UTP(CAT.5e), DC 12V Out : 2 wires
Dimension(mm)	244(W)x180(H)x22(D)

DOOR CAMERA

DRC-40QHD · 40QV

1MP
1mega pixel



NEW



- AHD 1MP(DRC-40QHD), 0.52MP(DRC-40QV)
- Built in illumination sensor and white LED
- House call and talk
- Flush-mounted type

Power source	DC 12V (From a monitor)
Operation temp.	-10°C ~ +40°C
Wiring ports	4 wires
Camera viewing angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Distance	50m(Ø0.65)
Dimension(mm)	110(W)x131(H)x13.5(D)

GUARD STATION

CIOT-G700M · G701M

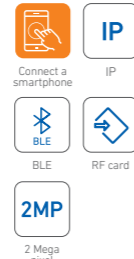


- SIP-based VoIP system
- Emergency check and release
- House call and talk • Recording visitors image & video clip(Main entrance)
- Visitor monitoring and calling at the public entrance
- Check security office visitors on the household monitor(CIOT-G701M)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop / Wall-mounted type
Camera	VGA
OS	Android
Video codec	H.264
Dimension(mm)	252(W)x247(H)x33(D)

ENTRANCE STATION

CIOT-L20M · L20M2



Rainshield(option)

Case Color ● Space blue ● Silver ● Dark gray

- 7 inch TFT LCD • SIP-based VoIP system
- 2MP camera • BLE recognition • TCP/IP Communication
- RFID card • Motion detection
- Elevator call function(Connects to CCU-310EV, CIOT-L20M2)

Power source	DC 14V
Mount type	Flush-mounted type
Network	Ethernet
Video / Resolution	H.264 / 800 x 480
Wiring	LAN(Cat.5e)
Operation Temp	-20°C~+50°C
Dimension(mm)	249(W)x256(H)x7(36)(D)
Installation hole size(mm)	210(W)x216(H)
Fill up box size(mm)	220(W)x240(H)x81(D)

IP DISTRIBUTOR

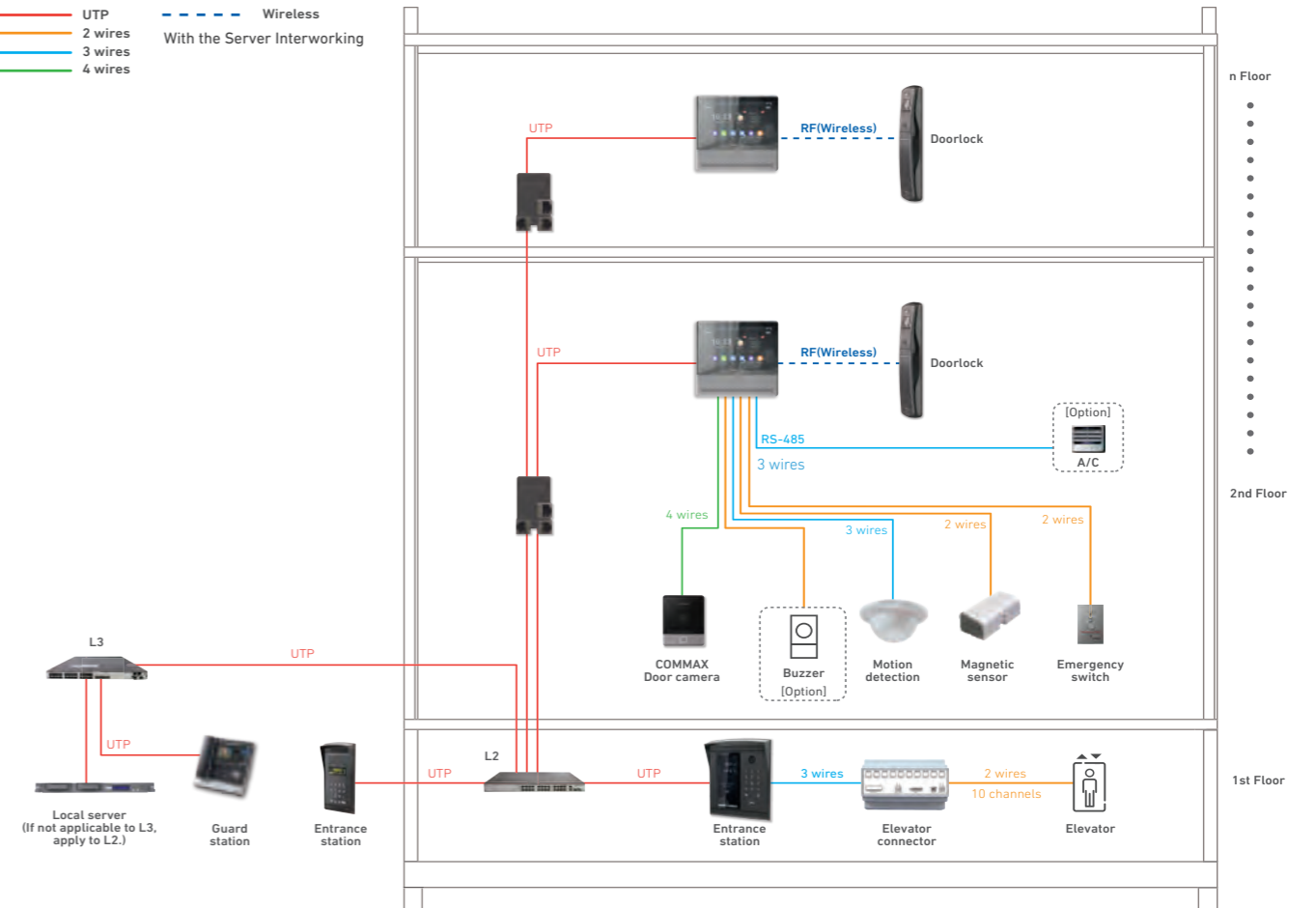
CCU-IPBUS



- BUS type(In/Out)
- Board for multi configuration(Need each house)
- 3 Port : Wall pad / Up Link / Down Link

Power source	DC 12V
Network	Ethernet(10/100 Base-T)
Wiring ports	Monitor/ Up Link/Down Link : UTP(CAT.5e)
Distance	Hub : 100m(UTP)
Dimension(mm)	44(W)x77(H)

APPLICATION | IP GATE SYSTEM



GATE VIEW IoT

GATE VIEW IoT is optimized for small and medium sized apartment and condo, complex. It provides a safer and more convenient environment. Control it anytime and anywhere by a smartphone.



MONITOR

CAV-1000QGX · 1001QGX

NEW



Case Color ● Neo-Silver ● Gold

- Google A.I. platform interwork and voice recognition
- Connectable to both wireless IoT devices(Zigbee) and wired devices(RS-485 or General type) • SD card(32GB)
- Smartphone integration through COMMAX App (Door camera, lobby phone, visitor call, door open, IoT device control, status monitoring, push notifications)
- Real-time CCTV monitoring through DVR
- Connecting up to 1MP camera
- Elevator call function
- Automatic recording function(motion detection)

Power source	1000QGX : DC 14V / 1001QGX : AC 100~240V, 50/60Hz
Display	10.1 inch(25.7cm) TFT LCD
Mount type	1000QGX : Flush-mounted / 1001QGX : Wall-mounted
Resolution	1280 x 800
Wiring ports	Door camera : 4 wires or 8 wires(only motion detecting), RS-485 : 3 wires, Lobby/Security : 8 wires(UTP type 2 Port) Motion detecting : 3 wires, Slave : 8 wires, Emergency : 2 wires, Digital door lock : 4 wires (Power 2 wires, Opening short : 2 wires)
Distance	Door camera : 28m(Ø0.5) Lobby : 300m(Ø0.5) Security : 1km(Ø0.65)
Dimension(mm)	CAV-1000QGX : 250(W)×210(H)×10.8(14.8)(D) CAV-1001QGX : 250(W)×210(H)×22(D)

MONITOR

CAV-70QGX

NEW



Case Color ● Neo-Silver ● Gold

- Google A.I. platform interwork and voice recognition
- Remote control by smartphone connection (Visitor monitoring / Door open)
- Calling elevator via RS-485
- Connecting security, emergency and PIR devices
- Guard and elevator call(optional by connecting CCU-310EV)
- Auto recording when motion detected (MAX 32GB / Connecting DRC-40QHM)
- Connecting digital door lock
- 7 inch TFT LCD

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Resolution	1024 x 600
OS	Android
Wiring ports	Door camera : 4 wires or 8 wires(only motion detecting), RS-485 : 3 wires, Lobby/Security : 8 wires(UTP type 2 Port) Motion detecting : 3 wires, Fire emergency : 2 wires, Digital door lock : 4 wires(Power 2 wires, Opening short : 2 wires)
Distance	Door camera : 28m(Ø0.5) Lobby : 300m(Ø0.5) Security : 1km(Ø0.65)
Dimension(mm)	184(W)×171(H)×23(D)

DOOR CAMERA

NEW

DRC-40QFD · 40QHD · 40QV

1MP

1mega pixel

2MP

2mega pixel



- AHD 2MP(DRC-40QFD), 1MP(DRC-40QHD), 0.52MP(DRC-40QV)
- Built in illumination sensor and white LED
- House call and talk
- Flush-mounted type

Power source	DC 12V (From a monitor)
Operation temp.	-10°C ~ +40°C
Wiring ports	4 wires
Camera viewing angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Distance	50m(Ø0.65)
Dimension(mm)	110(W)x131(H)x13.5(D)

DOOR CAMERA

NEW

DRC-40QFM · 40QHM · 40QVM

1MP

1mega pixel

2MP

2mega pixel

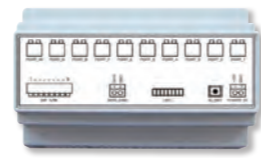


- AHD 2MP(DRC-40QFM), 1MP(DRC-40QHM), 0.52MP(DRC-40QVM)
- Built in illumination sensor and white LED
- House call and talk • Flush-mounted type
- Volume control
- Motion Detection

Power source	DC 12V (From a monitor)
Operation temp.	-10°C ~ +40°C
Wiring ports	8 wires
Camera viewing angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Distance	50m(Ø0.65)
Dimension(mm)	110(W)x131(H)x13.5(D)

ELEVATOR CONNECTOR

CCU-310EV



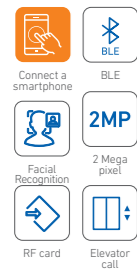
- Able to call from Lobbyphone and Monitor (Lobby mode / Unit mode)
- Unit mode :
Able to set up to 630 units or 80 floors
- Lobby mode :
Able to set up to 89 Lobbyphones

Power source	DC 12V
Mount type	Wall-mounted type, DIN rail type
Wiring ports	DATA : 2 wires Elevator S/W : 2 wires x 10ports
Distance	1km (0.65Ø)
Dimension(mm)	157(W)x86(H)x59(D)

FACE RECOGNITION LOBBYPHONE

NEW

DRC-BIOL



- Facial recognition
- Door open by BLE, RFID, Password (BLE : Smartphone App)
- Call a household unit or a security guard station
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
Angle of view	150°
Dimension(mm)	249(W)x256(H)x7(36)(D)
Installation hole size(mm)	210(W)x216(H)

GUARD STATION

CDS-70MV



- GUI touch screen
- Video call & Opening door
- Recording missed
- Volume control
- Secumax connection

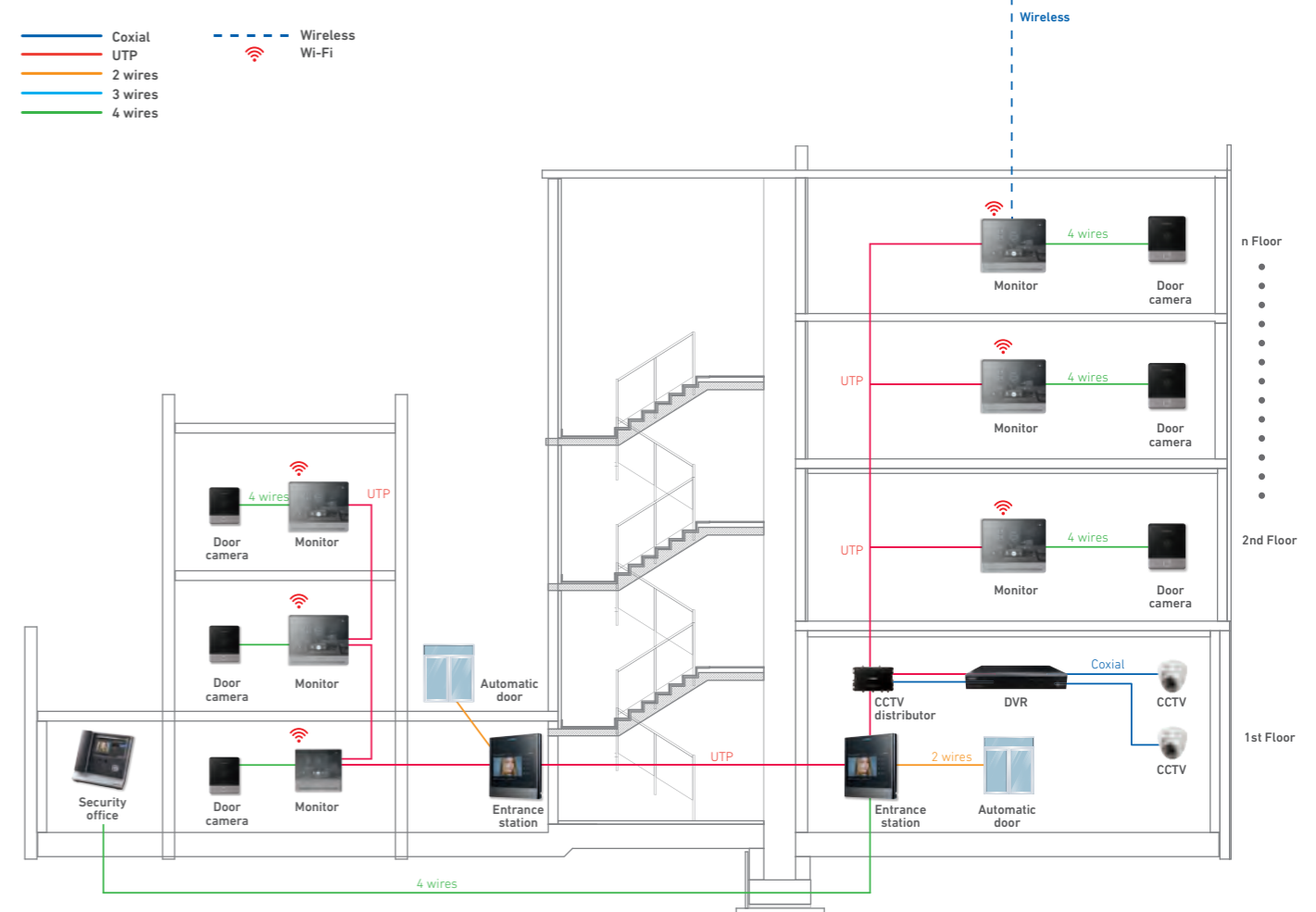
Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop
Wiring ports	Video phone : 8 wires External call : 18 wires Extend external call : 18 wires (option)
Distance	1km (0.65Ø)
Dimension(mm)	252(W)x247(H)x33(D)

APPLICATION | GATE VIEW IoT



Coaxial
UTP
2 wires
3 wires
4 wires

Wireless
Wi-Fi



IoT Devices

IoT devices will help you to make a different lifestyle. More safety and more convenience. Turn on/off the lights and make the best condition with your smartphone whenever where you are.



IoT SENSOR (TEMP/HUMIDITY) NEW CIS-ZTH02



- Integrated service with IoT Monitor
- To sense temperature and humidity in real time over the range (Tolerance(Temperature/humidity) : ± 0.5°C / ± 5%)
- To send information to Monitor and Gateway

Power source	DC 3V(AA x2 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø61.2x23

IoT PIR SENSOR NEW CIS-ZP02



- Integrated service with IoT Monitor
- To detect motion within the range (able to check from Monitor)
- To interact with monitor for away & prevention mode

Power source	DC 3V(CR123A battery)
Mount type	Wall-mount(Adhesive tape & Magnetic)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø48x53.2

IoT GAS DETECTOR NEW CIS-ZGD01



- Integrated service with IoT Monitor
- Real time gas leak detection
- To generate emergency sounds(72dB) and information to monitor & gateway
- To detect neutral gas leak in real time (8% LEL ± 3% LEL)

Power source	DC 12V, 100mA_waiting (separate adaptor)
Mount type	Wall-mounted type
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø86x29.6

IoT SMOKE DETECTOR NEW CIS-ZSD01



- Integrated service with IoT Monitor
- Real time smoke detection
- To generate emergency sounds and information to monitor & gateway (When smoke leakage is detected)

Power source	DC 12V
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø90x37

IoT EMERGENCY BUTTON NEW CIA-ZEB02



- Integrated service with IoT Monitor
- To send emergency signal to monitor & gateway

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø50x16

IoT EMERGENCY BUTTON NEW CIA-ZEB01



- Push(press)button at emergency situation
- Sending emergency situation to Monitor

Power source	DC 3V(CR2032 battery)
Mount type	Flush mounted type
Network	Zigbee (2.4 GHz)
Detecting distance	50m
Operation temp.	-10°C ~ 55°C
Dimension(mm)	73(W)x124(H)x173(D)

IoT MAGNETIC SENSOR NEW CIS-MD02



- Integrated service with IoT Monitor
- Window status detection – Open / Close (With in 25mm)
- To interact with monitor for away & prevention mode

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Main : 26.5x52.5x13.5 Slave : 12.5x25.5x13.5

IoT MAGNETIC SENSOR CIS-MD01



- Integrated service with IoT Monitor
- Door open detection
- Low power consumption
- Zigbee communication support

Power source (Battery)	3V Lithium Cell (CR2032), 2EA
Sensing mode	Magnetic
Installation	Indoor
Operating time	2 Years(50 Times/a day)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	Sensor : 35(W)x55(H)x16(D) Magnetic : 11(W)x55(H)x16(D)

IoT SMART BLIND CIA-ZKB01



- Integrated service with IoT Monitor
- Smart Mirror via 485 to ZigBee module
- Wired connection with Monitor is available via 485 port
- Multiple Smart Blind control
- Powerful performance and noiseless design

Power source	AC 100~250V, 50~60MHz
Output power	107W
Motor speed	24rpm (Torque 8/N.M)
Motor diameter	35mm
Receiver	Embedded Type
Position set	4 different positions
Protocol	RS-485, Dry Contact, FM Two-way RF
Max. weight	23.8kg / Single
Environment	Indoor Use

* Blind is not included.

IoT SMART CURTAIN

CIA-ZKC03



- Intergrated service with IoT Monitor
- Curtain open, close & stop function
- Smart mirror via 485 to Zigbee module
- Wired connection with Monitor is available via 485port

Power source	AC 90 - 250V, 50/60Hz
Power consumption	Standby: 1.7W, Operation: 35W
Max. weight (Curtain)	35kg
Max. Rail length	10m
Operating temp.	-10°C~50°C
Protocol	IEEE 802.15.4, Zigbee HA 1.2(Compatible) RS-485

* Curtain is not included.

IoT WATER DETECTOR

CIS-ZW02



- Integrated service with IoT Monitor
- Real time water leak detection with IP 66 rate
- Alarm alerts through Monitor and Gateway

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø44.8x14

IoT LIGHT SWITCH

CIA-ZES0A, ZES01~ZES03



- Intergrated service with IoT Monitor
- Bulk light control / Light control
- Real time status feedback
- Overload protection • Wireless
- Sensitive touch control
- Zigbee communication support

Power source	90V~250V, 50Hz~60Hz
Output	CIA-ZES0A : 4000W/16A CIA-ZES01~ZES03 : 550W/3A(Each Button)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	90(W)×90(H)×11(43)(D)

IoT GAS VALVE BREAKER

CIA-GL03



- Integrated service with IoT Monitor
- Gas valve locking
- Timer function
- Includes display for time confirmation
- Zigbee communication support

IoT PIR SENSOR

CIS-PM01



- Integrated service with IoT Monitor
- Motion detection
- Temperature & Humidity detection
- Low power consumption
- Zigbee communication

PIR SENSOR

CPA-0212



- Mirror-type infrared sensor
- Detects infrared rays from 7um~15umz
- Indoor use only
- Ceiling mounted type

IoT SMART REPEATER

CIA-ZRT01



- Integrated service with IoT Monitor
- Able to register Monitor and each repeater device
- Extension of Zigbee wireless section and Zigbee data relay

IoT PIR SENSOR

CIS-ZP01



- Integrated service with IoT Monitor
- Motion detection
- Low power consumption
- Zigbee communication

MAGNETIC SENSOR

MS-10



- Magnetic type sensor
- Indoor use only
- Door/Window frame wall-mounted type

IoT IR SENSOR

CIA-ZIR01



- Able to register IR device
- Zigbee communication support
- Able to control air conditioner Power & Temperature (With a variety of air conditioner manufactures)

PIR SENSOR

CPA-4012



- Infrared ray energy sensor
- Normal operation enabled after 30 seconds from power on
- Indoor use only
- Wall mounted type

PIR SENSOR

CPB-30S · 10S



- Minimum reflection
- Wide range of adjustment
- IP44 compliance
- Suitable for both, indoor and outdoor installation

IoT SMART REPEATER

CIA-ZRT02



- Integrated service with IoT Monitor
- Able to register each devices from Monitor
- Extension of Zigbee wireless section and Zigbee data relay

Power source	DC 5V (Micro USB type)
Operating temp.	0°C~+50°C
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	35(W)×55(H)×16(D)

IoT SENSOR (TEMP./HUMIDITY SENSOR)

CIS-ZTH01

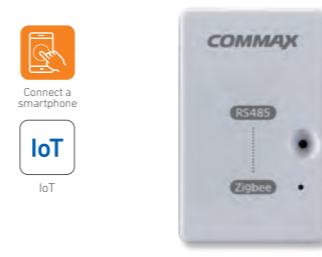


- Integrated service with IoT Monitor
- Temperature and humidity measurement
- Flashes LED when battery is low
- Attachment type

Power source	CR2032 2EA, 3V
Temperature measurement range	-40°C~+125°C (±2°C)
Humidity measurement range	0~100%RH (±4.5%RH)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	35(W)×55(H)×16(D)

IoT MODULE (485 TO ZIGBEE)

CIM-52Z01



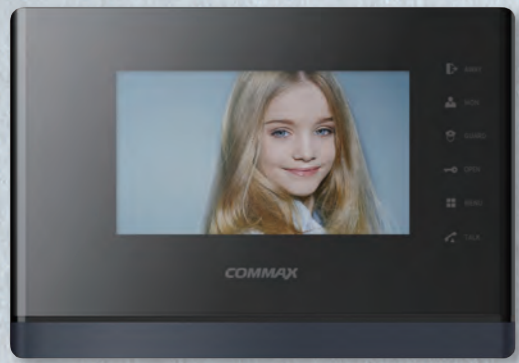
- Integrated service with IoT Monitor
- Zigbee communication support (RS-485 to Zigbee)
- Low power consumption

Power source	DC 5V (Micro USB type)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible) RS-485
Dimension(mm)	35(W)×55(H)×16(D)

Villa / Office / Townhouse - 200 to 300 households

GATE VIEW

GATE VIEW is optimized for small and medium sized apartment and condo complexes. It provides a safer and more convenient environment.



MONITOR

CAV-70YG

NEW



Window Color

- Black smog
- White

Cover Color

- Dark silver
- White
- Space blue
- Silver
- Bronze
- Pink gold

- Guard call & talk
- Elevator call function
- Video talk and door lock release enable (both individual and public entrance)

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires Lobby : 8 wires
Consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	265(W)×184(H)×22(D)

MONITOR

CAV-70MG · 70MG2



- Guard call & talk
- Elevator call function(CAV-70MG2)
- Video talk and door lock release enable (both individual and public entrance)

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires, Lobby : 8 wires
Consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CAV-43YG

NEW



- Guard call & talk
- Video talk and door lock release enable (both individual and public entrance)

Power source	AC 100-240V, 50/60Hz
Display	4.3 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires Lobby : 8 wires
Consumption	Max.12W
Distance	Lobby : 300M / CAT.5e : 28m (Household)
Dimension(mm)	184(W)×171(H)×24(D)

MONITOR

CAV-43MG · 43MG2



CAV-43MG

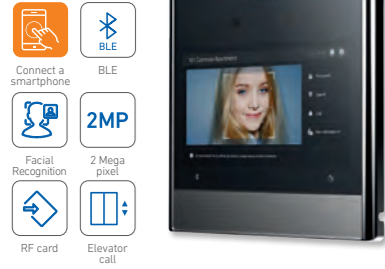
CAV-43MG2

- Guard call & talk
- Video talk and door lock release enable (both individual and public entrance)
- Elevator call function (CAV-43MG2)

Power source	AC 100-240V, 50/60Hz
Display	4.3 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires, Lobby : 8 wires
Consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	180(W)×180(H)×28(D)

FACE RECOGNITION LOBBYPHONE

DRC-BIOL



- Facial recognition
- Door open by RFID, Password, BLE (BLE : Smartphone App)
- Page and call a household unit or a security guard station
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
Angle of view	150°
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

ENTRANCE STATION

DRC-8TML/RF1



- RF card registration and deletion possible (125KHz or 13.56MHz)
- 24Direct buttons panel(DRC-24XM) expansibility
- 8direct buttons & 10key • BLE (Door open)
- 2.4 inch OLED • Pinhole camera
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 12V
Operation temp.	-20°C~+40°C
Mount type	Flush-mounted type
Wiring ports	UTP
Min. Illumination	0.1Lux(up to 300mm)
Camera viewing angle	Horiz. : 68°, Vert. : 55°
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

DRC-707LC · 707LCB



- Case Color** ● Black ● White ● Blue ● Gold
- BLE Function(DRC-707LCB) (Opening entrance station via ONE KEY APP)
 - Household unit call • Security office call
 - Regist & delete function on PW/RF card
 - Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Wall mounted type
Wiring	UTP(CAT.5e) & Coaxial (Household 8 wires, security 8 wires)
Operation temp.	-20°C ~ +50°C
Dimension(mm)	244(W)×270(H)×19(47)(D)
Full up box size(mm)	220(W)×240(H)×81(D)

AUDIO PHONE

AP-3SG



- Talk and door lock release enabled(both individual and public entrance)
- Security office call enabled

Power source	AC 100~240V, 50/60Hz
Operation temp.	0°C~+40°C
Mount type	Flush-mounted type
Wiring ports	UTP
Min. Illumination	0.1Lux(up to 300mm)
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

DRC-10MP/RF1



- PARKING CONTROL and COMMUNITY LOBBY**
- Password, RFID, BLE(smartphone app) recognition
 - Household and guard call & open door
 - Built-in night LED • Pin-hole camera
 - 2.4 inch OLED display
 - Elevator call (Optional connecting CCU-310EV)

Power source	DC 12V
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
Angle of view	Horiz. : 58°, Vert.: 49°
Dimension(mm)	130(W)×249(H)×50(D)
Installation hole size(mm)	210(W)×216(H)

GUARD STATION

CDS-70MV



- GUI touch screen
- Video call & Opening door
- Recording miss call
- Volume control
- Parcel management
- Secumax connection

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop
Wiring ports	Video phone : 8wires External call : 18wires Extend external call : 18 wires (option)
Distance	1km (0.65Ø)
Dimension(mm)	252(W)×247(H)×33(D)

GUARD STATION

CDS-4GS



- LED light
- House call and talk

EXTENSION PANEL

DRC-24XM



- 24 Direct buttons call Extension panel

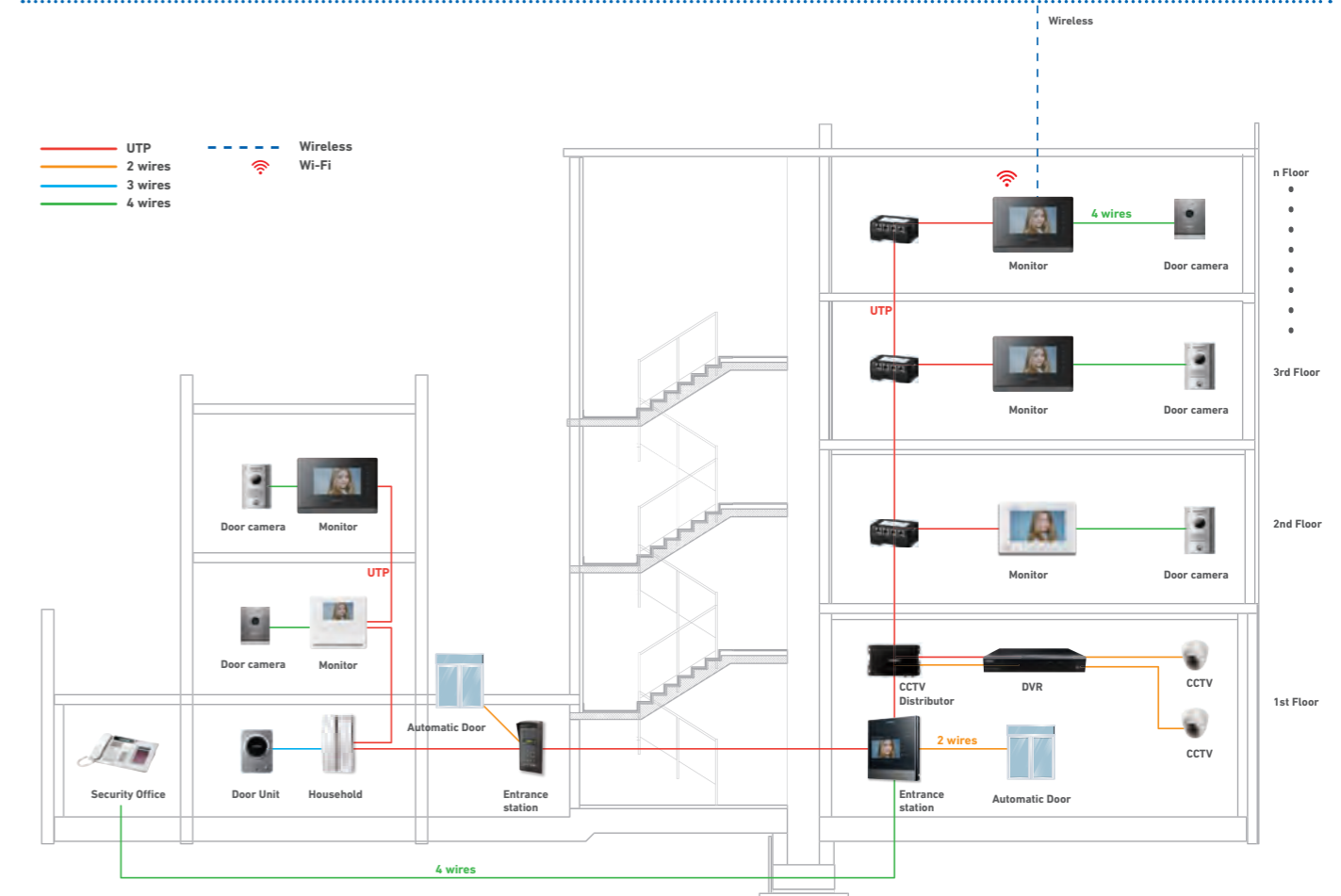
DISTRIBUTOR

CCU-4GF



- Enables "STAR" wiring method for Gate View monitor connections
- CCU-4GF-to-CCU-4GF enabled to expand up to 40 units limited to 300 meters

APPLICATION | GATE VIEW



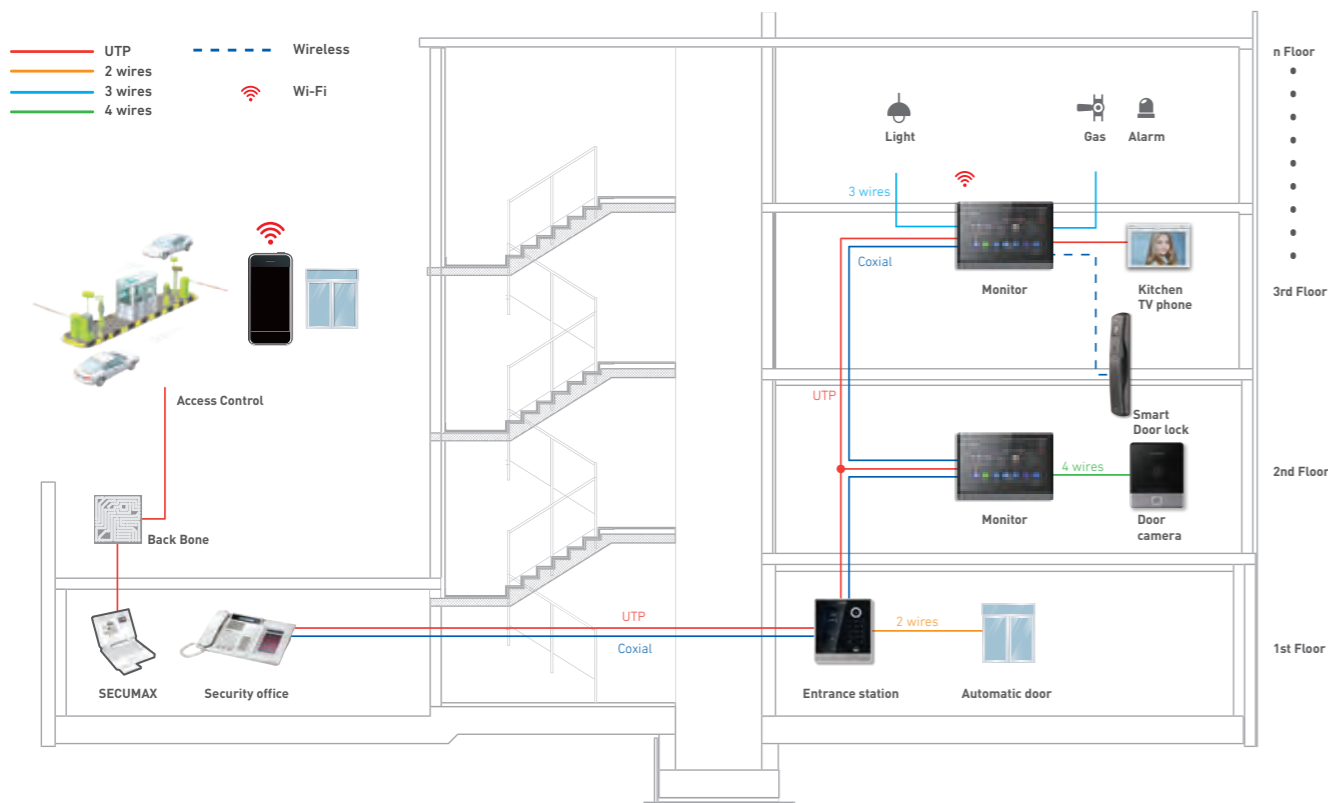
Condominium - less than 500 households

SMART GATE SYSTEM

SMART GATE SYSTEM is a cost-effective home network system that provides an integrated management with simple installation -no server implementation required.



APPLICATION | SMART GATE SYSTEM



MONITOR

CAV-1000YD

NEW

reddot winner 2021

GOOD DESIGN KOREA



Video/picture auto recording



Elevator call



1 mega pixel



- DID function
- Security and Lighting controls
- Energy management system

Power source	DC 14V
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Flush-mounted type
Wiring	Individual entrance : 50m(0.65Ø) / Guard station : 1km(0.65Ø) / Public entrance : 300m(5C2V)
Consumption	Standby : 560mA, Max.: 1.4A
Dimension(mm)	308(W)×213(H)×23(D)
Installation hole size(mm)	209(W)×135(H)

Window

- Black smog
- White

Case

- Dark silver
- White
- Space blue
- Silver
- Bronze
- Pink gold

ENTRANCE STATION

DRC-707LC · 707LCB

NEW

GOOD DESIGN KOREA



Connect a smartphone



BLE



RF card



Number key



Elevator call



Case Color

- Black
- White
- Blue
- Gold

- BLE Function(DRC-707LCB) (Opening entrance station via ONE KEY APP)
- Household unit call
- SIP-based VoIP system • Security office call
- On PW/RF card Regist & delete function
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Wall mounted type
Wiring	UTP(CAT.5e) & coaxial (Household 8 wires, security 8 wires)
Operation temp.	-20°C ~ +50°C
Dimension(mm)	244(W)×270(H)×19(47)(D)
Full up box size(mm)	220(W)×240(H)×81(D)

DOOR CAMERA

DRC-40QHD · 40QV

NEW

GOOD DESIGN KOREA

reddot winner 2021

GOOD DESIGN KOREA



1 mega pixel



- AHD 1MP(DRC-40QHD), 0.52MP(DRC-40QV)
- Built in illumination sensor and white LED
- House call and talk
- Flush-mounted type

Power source	DC 12V (From a monitor)
Operation temp.	-10°C ~ +40°C
Wiring ports	4 wires
Camera viewing angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Distance	50m(Ø0.65)
Dimension(mm)	110(W)×131(H)×13.5(D)

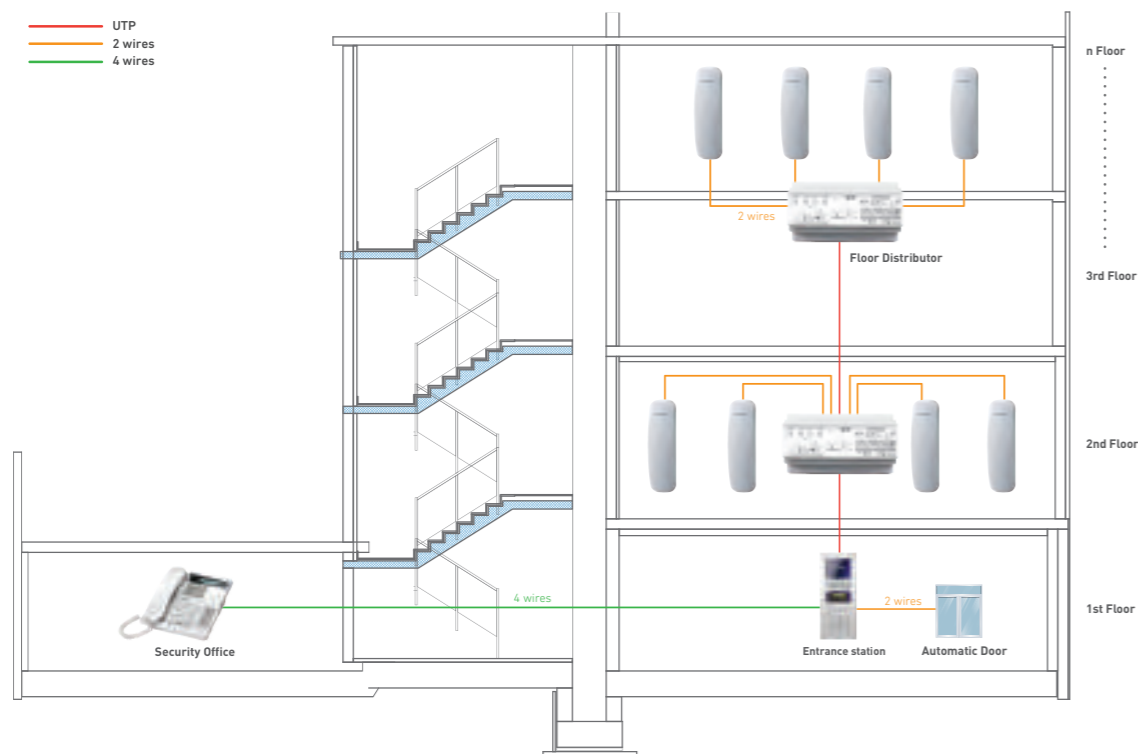
Condominium - less than 3,000 households

AUDIO GATE SYSTEM (2 WIRES & UTP)

AUDIO GATE SYSTEM is optimized for multi-complex apartments, condos, and buildings. Also, it provides a simple installation and is easily expanded.



APPLICATION | AUDIO GATE SYSTEM (2 WIRES & UTP)



AUDIO DOOR UNIT DR-2GS



- Vandal proof
- Guard call and talk

Power source	DC 12V (from Guard Phone)
Mount type	Wall-mounted type
Operating temp.	-10°C~50°C
Wiring ports	6wires
Dimension(mm)	87(W)x120(H)x20(D)

DOORPHONE AP-2RAG



- 2 wire connection with non-polarity from a floor distributor
- Talk with a visitor and door lock release enable

Power source	From floor distributor
Wiring ports	2 wires with non-polarity
Distance	100m (0.65Ø)
Operating temp.	0°C~40°C
Dimension(mm)	70(W)x210(H)x60(D)

ENTRANCE STATION DR-2AG/RF1



- Expandability Up to 4~1,000 household units (Up to 3 RFID Card registration per household enabled)

Power source	DC 12V
Consumption	Standby : 400mA, Max. : 500mA
RFID card	13.56MHz (optional)
Mount type	Flush-mounted type
Wiring ports	Lobby phone-to-floor distributor : 1 UTP Household unit-to-floor distributor : 2 wires
Dimension(mm)	130(W)x315(H)x10(38)(D)

FLOOR DISTRIBUTOR CCU-204AGF · 208AGF



- 2 wire connection with non-polarity
- Provides the power to each household units
- 1UTP cabling between floor distributors

Power source	DC 24V
Port	4 / 8 channel (Connectable with 2 wire Audio phone up to 4/8ea)
Wiring ports	-Lobby panel-to-Floor distributor : UTP -Household unit-to-Floor distributor : 2 wires -Floor distributor-to-Floor distributor : UTP

FLOOR DISTRIBUTOR CCU-216AGF · 232AGF



- 2 wire connection with non-polarity
- Provides the power to each household units
- 1UTP cabling between floor distributors

Power source	DC 24V
Port	16 / 32 channel (Connectable with 2 wire Audio phone up to 16/32 ea)
Wiring ports	-Lobby panel-to-Floor distributor : UTP -Household unit-to-Floor distributor : 2 wires -Floor distributor-to-Floor distributor : UTP

GUARD STATION CDS-2AG



- Household unit call
- Lobby phone call
- CID function for a calling household identification
- 1UTP cabling for a simple installation from floor distributor

Power source	DC 12V
Mount type	Desktop
Wiring ports	Building distributor-to-Guard Station : UTP
Distance	Max. 1km
Dimension(mm)	230(W)x200(H)x35(D)

SMART DOOR LOCK

SMART DOOR LOCK is an access control system with proven safety, usability and leading design for your home security.



FACE RECOGNITION DOOR LOCK

NEW

CDL-88PBio



PREMIUM DOOR LOCK

NEW

CDL-88PB · 88P



- Premium Biometric Push-Pull Doorlock
- High quality premium BAR type push-pull design
- Register 100 Users with 6-way access methods (Face recognition, RF Card, Pin number, Fingerprint, Mechanical Key, Connected Monitor(option))
- 2.4 inch LCD display • Emergency power(Micro USB 5V)
- Automatically detect when a person approaches and power on (CDL-88PBio(IR))

Applicable	Normal fire door	Thickness 40mm ~ 80mm
	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
Access methods	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	84(W)x454(H)x50(D)	

- High quality premium BAR type push-pull design
- 5 WAY Access methods (RF card, Pin number, Fingerprint, Mechanical key, Connected Monitor(option))
- Smart Phone Access (CDL-88PB)
- Emergency power(Micro USB 5V)
- Monitor Remote module(447.275Mhz) (optional)
- ONE KEY(Bluetooth) (CDL-88PB)

Applicable	Normal fire door	Thickness 40mm ~ 80mm
	Smart phone	One key App.
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
Access methods	RF Card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	84(W)x454(H)x50(D)	

FACE RECOGNITION DOOR LOCK

NEW

CDL-3PRBio



FACE RECOGNITION DOOR LOCK

NEW

CDL-300LBio



SMART DOOR LOCK

NEW

CDL-230P · 230PB · 240P



ROCK AND LOCK

CDL-800WL · 100WL



- Biometric Push-Pull Doorlock
- Register 100 Users with 5-way access methods (Face recognition, RF Card, Pin number, Mechanical Key)
- 2.8 inch LCD display and Emergency power (9V square battery)
- Monitor Remote module(447.275Mhz) (optional)

- Biometric Digital Doorlock
- Register 100 Users and 5-way access methods (Face recognition, RF Card, Pin number, Mechanical Key)
- 2.8 inch LCD display and Emergency power(Micro USB 5V)
- Automatically detect when a person approaches and power on

- 4 way access methods(RF Card, Pin number, Mechanical Key, Connected Monitor(option))
- Durable body for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication(Pin number/RF Card)
- Emergency power(9V alkaline battery)
- ONE KEY(Bluetooth) (CDL-230PB)
- Fingerprint(Up to 100 Fingerprints) (CDL-230P)

- High-quality premium design door lock
- CDL-800WL : 2 way access methods (Pin number, Fingerprint)
- CDL-100WL : 2 way access methods (RF Card, Pin number)
- Emergency power (9V alkaline battery(optional) Micro USB 5pin)

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Dimension(mm)	72(W)x377(H)x80(D)	

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Dimension(mm)	80(W)x382(H)x70(D)	

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprint (CDL-230P)
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Dimension(mm)	80(W)x382(H)x71(D)	

Applicable	Interior door	Thickness 35mm ~ 50mm
Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card(CDL-100WL)	Up to 30 cards
	Fingerprint(CDL-800WL)	Up to 100 Fingerprints
Power source	DC 6V	Alkaline AA battery 4pcs (LR6 1.5V AA size)
Type of product	Non Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor	60 degree ± 10 degree
Dimension(mm)	95(W)x95(H)x71(D)	

SMART DOOR LOCK

CDL-107U



- 3 way door opening (easy opening with smartphone)
- Open / close the door outside of the home through Z-Wave Hub (Z-Wave is for Americas only)
- Emergency power(9V alkaline battery(optional))
- Indoor door Thickness 35mm ~ 50mm
- Pin number 4~10 digit number combination / RF Card(Up to 30 cards) / Individual mechanical lock
- Non Fireproof type, Temperature sensor type, Key type, Sub key door lock

Applicable	Indoor door	Thickness 35mm ~50mm
	Pin number	4~10 digit number combination
Access methods	Z-WAVE	Smartphone
	Mechanical Key	Individual mechanical lock
Power source	DC 6V	Alkaline AA battery 4pcs (LR6 1.5V AA size)
Type of product	Temperature sensor type	
Temp. alarm	Temperature sensor	60 degree ± 10 degree(Normal test)
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	85(W) x 175(D) x 30(H)	

SMART DOOR LOCK

CDL-200P · 210P



- Push pull Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210P))
- Connectivity with home network system using remote controller(option)
- Emergency power(9V alkaline battery(optional))
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock / Fingerprint(Up to 100 Fingerprints) (CDL-210P)
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- Monitor Remote module(447.275Mhz) (optional)

Applicable	Normal fire door	Thickness 40mm ~60mm
	Pin number	4~12 digit number combination (Up to 4 pin number)
Access methods	RF card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprint (CDL-210P)
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master Key doorlock	
Temp. alarm	Temperature sensor	60 degree ± 10 degree
Option	Home network Remote module	
Dimension(mm)	80(W) x 382(D) x 71(H)	

SMART DOOR LOCK

CDL-200L · 210L



- Lever Type Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210L))
- Connectivity with home network system using remote controller(option)
- Emergency power(9V alkaline battery(optional))
- Indoor door Thickness 40mm ~ 60mm
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock / Fingerprint(Up to 100 Fingerprints) (CDL-210L)
- DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module(447.275Mhz) (optional)
- Dimension(mm) : 77(W)x302(H)x71(D)

SMART DOOR LOCK

CDL-400M·410M·400MC·410MC



- Mini Lever type Doorlock
- Easy, no-tap installation
- 2 way access methods (RF Card, Pin number)
- Home networking of remote controlle(CDL-400MC/CDL-410MC)
- Emergency power(9V alkaline battery(optional))
- Indoor door Thickness 40mm ~ 60mm
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards)
- DC 6V (Alkaline AA battery 4pcs(LR6 1.5V AA size))
- Non Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module (CDL-400MC/410MC)
- Dimension(mm) : 80(W)x230(H)x63(D)

SMART DOOR LOCK

CDL-300L · 310L



- 3(4) way access methods (RF Card, Pin number, Mechanical key, Fingerprint(CDL-310L))
- Durable body for protecting against high temp. and shock
- Connectivity with home network system using remote controller(option)
- Emergency power (Micro USB 5V 5pin (option))
- Indoor door Thickness 40mm ~ 60mm
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock / Fingerprint(Up to 100 Fingerprints) (CDL-310L)
- DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module(447.275Mhz) (optional)
- Dimension(mm) : 80(W)x330(H)x71(D)



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