Gainwise

Product Selection Guide

Smart Home
4G VoLTE Intercom
Fixed Wireless Terminal
Access Control

Gainwise

4G Smoke Detectors

Single Station Smoke Detector with 4G Communicator

★ Integrated 4G (3G or 2G) communicator

★ No external power adapter needed

★ Simple to install, no installation fee

★ Suitable for house, company, villa, machineroom, department and so on.

4G Smoke Detector provides a sufficient alarm for fire without the need for additional cables or fixed telephone lines. The smoke detector warns upon smoke with a local siren and a 4G communicator report to the set contact persons.
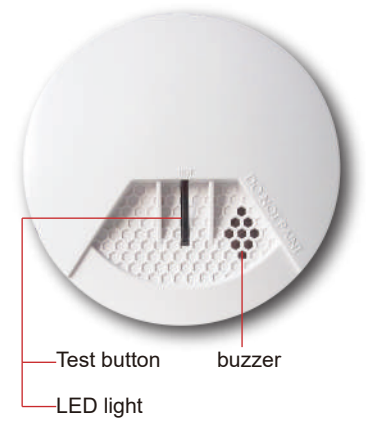
Due to the low power design the 4G communicator runs on a Lithium battery for more than one year. Clients will be able to remove the smoke chamber to clean and save on maintenance time. The smoke detector can use up to 10 years.

SMS

Fire
Alarm

Call
your phone

4G Smoke Detectors

Feature

▲ 3 destination phone numbers
▲ SMS and Call upon detecting the smoke(4G:only SMS)
▲ SMS at low battery
▲ SMS programming
▲ Programmable to send SMS Reports on your schedule
▲ External RF module for received another RF smoke detectors.
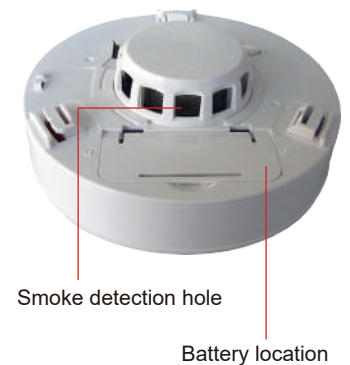
Test button   buzzer
LED light

Application

▲ Standalone wireless fire alert system
▲ Used by insurance companies for quick fire alarm system
▲ Used by estate companies as temporary fire alarm system
▲ Architects and contractors who prefer a wireless system

Model

▲ SS1801-3G: 2G/ 3G Fallback
▲ SS1801-4G: LTE Cat 1 and 2G / 3G Fallback

Smoke detection hole

Battery location

4G Smoke Detectors Technical data

3G Smoke Detector Module	SS1801-3G:	Five Bands UMTS (WCDMA/FDD) Bands: 800, 850, 900, 1900 and 2100 MHz Quad-Band GSM Bands: 850, 900, 1800 and 1900 MHz
4G Smoke Detector Module		SS1801-4G-E: Penta-Band LTE: Bands 1, 3, 8, 20, 28*(700*, 800, 900, 1800, 2100 MHz), Dual-Band GSM 900and 1800 MHz SS1801-4G-US: Quad-Band LTE: Bands 2, 4, 5, 12 (700, 850,1700/2100 (AWS) and 1900 MHz), Tri-Band UMTS: Bands 5,4, 2 (WCDMA/FDD 850, 1700/2100 (AWS) and 1900 MHz) SS1801-4G-AUS: Quad-Band LTE: Bands 3, 5, 8, 28 (1800, 850,900, 700 MHz), Tri-Band UMTS: Bands 1, 5, 8(WCDMA/FDD 2100, 850, 900 MHz)
Accessories		Battery : Lithium CR 2/3 A
Smoke Detector Approval		EN14604 CPR,UL217 CPR,UL268
Accessories		CR123A (3 years)
Battery Power		Rating Voltage:DC 3V for lithium battery
Sensitivity & Alarm Pattern UL217		1.31%ft~2.28%/ft ; Temporal Three Pattern
Sensitivity & Alarm Pattern EN14604		0.091 dB/m~0.149 dB/m, Temporal Three Pattern
Heat Sensitivity & Alarm Pattern		57°C~65°C ; Temporal three Pattern
Relative Humidity		10% to 85% RH
Temperature Range		0°C to 50°C (32°F to 120°F)
Dimension		120mm (D) x 53mm (H)

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4G Alarm Host (Audio / NO audio)
RF Smoke Detector

The 4G alarm host has added an interconnected notification function to achieve a alarm system at the entrance. When RF smoke detectors are detected, they can be transmitted to the 4G alarm host.
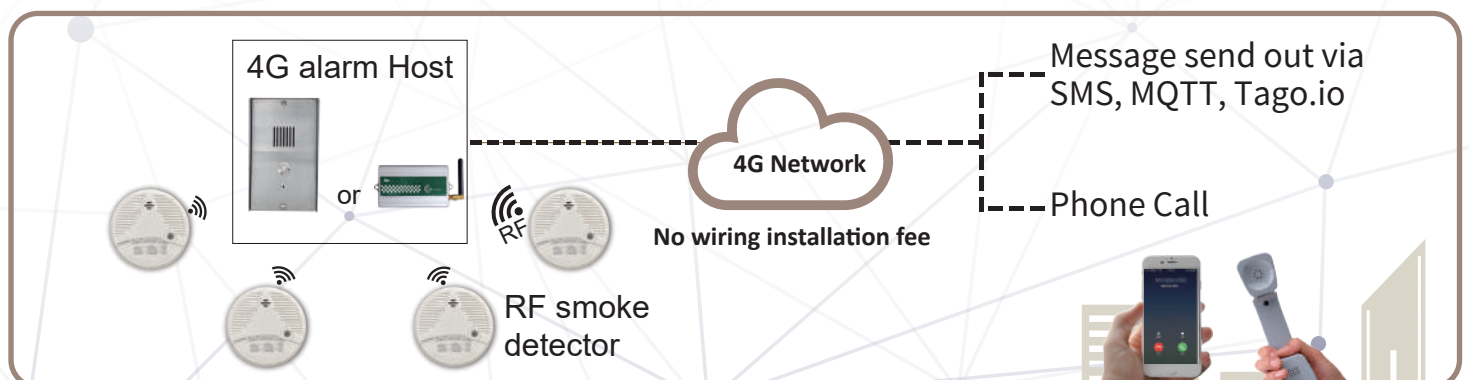
The 4G alarm host will then use 4G communication to dial for help or send SOS messages externally. As a result, the 4G alarm system is suitable for installation in home environments, office environments, unmanned warehouses, or other areas without people or networks.

Feature

★ Support VoLTE calls

★ Three phone numbers can be set for outgoing calls

★ Provide two sets of RELAY for use

★ Interlinkage between main units (SMS)

★ Control all devices to initiate alarms

★ Support FTP settings for reading, writing, and firm ware updates.

★ Can connect up to 24 detection

★ Supports TAGO IO, HTTP, and MQTT connections

★ Optional additional WiFi module available for purchase

★ Alarm notifications: phone calls, SMS, MQTT, tago.io

★ Low battery reporting for main unit and subunits.

Application

4G alarm Host

or

RF

RF smoke detector

4G Network

No wiring installation fee

Message send out via SMS, MQTT, Tago.io

Phone Call

4G Alarm System

4G Alarm Host With Call Function

Specification

Call out numbers	3
Audio	two way-voice
Connect slaves device	24
Module	EC21
Dimension	174(H) x 113(W) x 65(D)mm
Operating Voltage	5 Volt DC
Setup by	SMS /APP/HTTP/MQTT

4G Alarm Host

Specification

Call out numbers	3
Connect slaves device	24
Module	EC21
Dimension	90(H) x 60(W) x 27(D) mm
Operating Voltage	12 Volt DC
Setup by	SMS /APP/HTTP/MQTT

RF Smoke Detector (Battery)

Specification

Description :	Combination Smoke & CO Alarm, Smoke Alarm, CO Alarm		
Rating Voltage :	DC 3V	Sensitivity :	CO:EN50291、UL2034/2075 Smoke: EN14604, 9th ED UL217
Standby Current :	30uA		
Low-battery Alarm :	2.6~2.7V	Operating Temperature :	-10℃~50℃
Dimensions :	125 X 46 (mm)	Operating Humidity :	10%~90%
Sound Level :	85dB/3M	Alarm Current :	120mA(max)

4G Video Intercom

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SS1912 (Vertical)

Feature

- ★ 4G videophone
- ★ Instant videocall to mobile app
- ★ 24/7 video recording
- ★ Face detection alarm
- ★ 3000 phone numbers.
- ★ 1000 Mifare cards (optional)

- ★ 1000 PIN codes
- ★ 4G LTE/3G/GSM network
- ★ 1080P H.265 video
- ★ 2-way audio
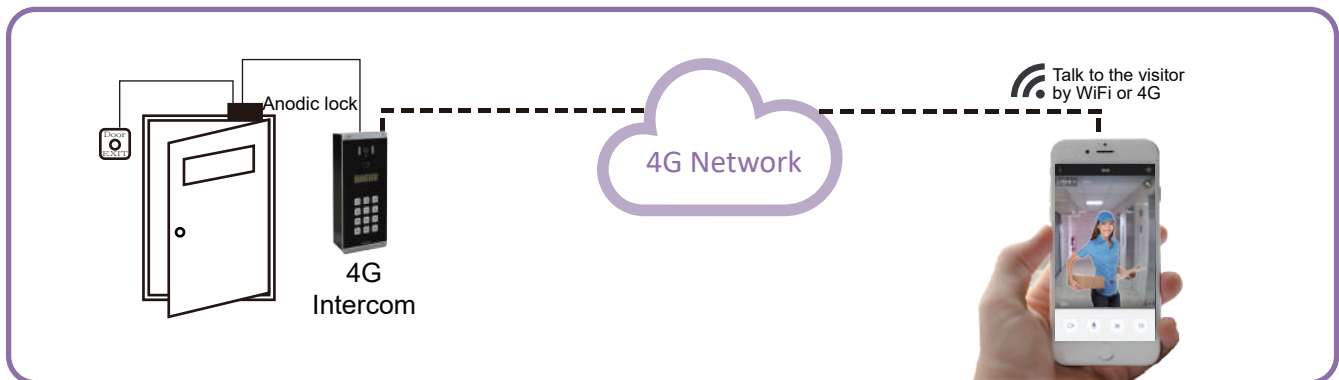- ★ SD card storage up to 128GB

SS2012 (Outdoor)

Feature

- ★ Separate call management room button
- ★ 4G videophone
- ★ Instant videocall to mobile app
- ★ 24/7 video recording
- ★ Face detection alarm
- ★ 3000 phone numbers.

- ★ 1000 Mifare cards (optional)
- ★ 1000 PIN codes
- ★ 4G LTE/3G/GSM network
- ★ 1080P H.265 video
- ★ 2-way audio
- ★ SD card storage up to 128GB

4G Video Intercom

Application

4G Intercom Specification

	SS1912	SS2012
Network	Mobile network or Ethernet	
Resolution Compression	1080P	
Night Vision	BW Image, 6 Infrared LED	
Real color	IR-CUT real-color	
Display	Seven-segment display(5 digits)	
Alarm	Face detection	
storage	Record on TF card(Maximum 128 GB)	
Full Duplex	Full Duplex (2 way same time)	
Relay Outputs	2	
Open lock	Keypad or RFID card or QR code or App	
Material	Metal Waterproof IP65	
Product Dimension	276(H) x 116(W) x 50(D) mm	260(H) x 160(W) x 120(D) mm

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TZ-IP02 (Intercom with battery)

Feature

★ **Low-power wireless video intercom doorbell**

★ **WIFI support 802.11 b/g/n**

★ **1280*720 image transmission is clear and stable**

★ **Two-way intercom, with echo cancellation**

★ **2 regular batteries can be used for 3-6 months**

WiFi Intercom Specification

Model	TZ-IP02
Master chip	Hi3518E
Sensor size	1/4 CMOS
Resolution	1280*720
Lens angle	Diagonal 166°
Infrared light	6 infrared lamps 850mm
WIFI	802.11 b/g/n
Audio	Two-way intercom, with echo cancellation
Motion Detection	PIR infrared detection
Wake-up method	PIR detection wakes up, mobile phone wakes up
Push	Speed push within 1S
Power consumption	Standby current 250uA, working current 170mA charging
Recording	SD card (optional) recording, on-demand
battery	2 sections of normal 18650 battery without protection (15 minutes of normal wake-up every day, 3-6 months) (optional)

4G Solar Intercom

4G Solar Emergency Call

Feature

★ Support VoLTE calls

★ Three numbers for emergency calls

★ Two output Relays available

★ Support FTP settings and firmware upgrade.

★ Powered by solar panel or power adapter

★ Low battery notification

Specification

Model	SS2102-4G01ECV-M
Call out numbers	3
Output	2 relay
Dimension	174(H) x 113(W) x 65(D)mm
Solar Panel Power	5.48W 12V
Module	EC21-A : B2 B4 B12 EC21-AU : B1 B2 B3 B4 B5 B7 B8 B28 EC21-E : B1 B3 B5 B7 B8 B20
SIM card type	Micro-SIM
Operating Voltage	5 Volt DC
Setup by	SMS /APP

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4G Model
Supports VoLTE

VoLTE Voice Over LTE

SS2106M-12K (Multiple Apartments)

Feature

★ Answer the door intercom and talk with visitor form anywhere anytime

★ Calls up to 3 numbers whatever landline or mobile

★ Open the gate from anywhere in the world

★ Available for up to 500 apartments

★ Access control with free incoming call, up to 1500 phone numbers

★ Access control with PIN code, up to 1000

★ No wiring installation fee for indoor station

★ Master station and slave station with 1 SIM

★ Simple to setup by PC / SMS /APP

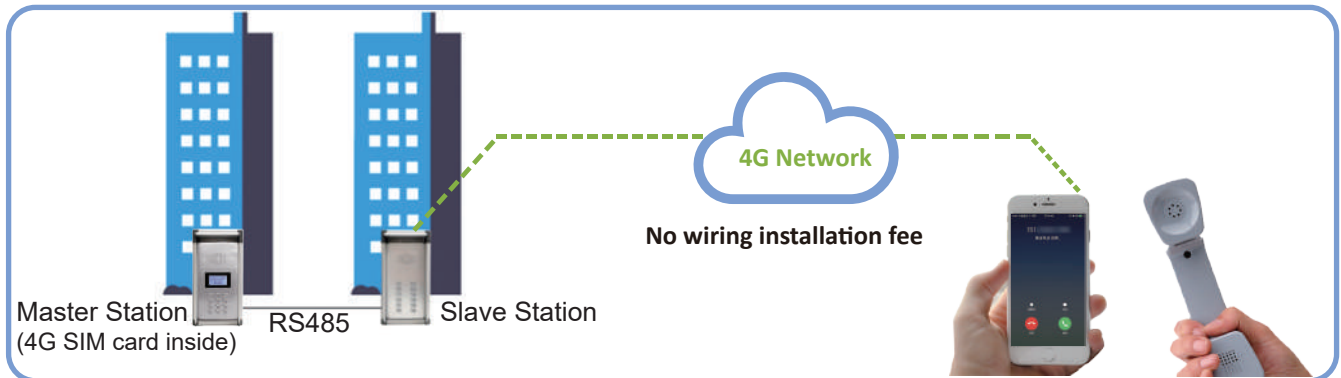★ Check log via SMS or Email

SS2106M-12D (12 Apartments)

Feature

★ Answer the door intercom and talk with visitor anywhere anytime

★ Calls up to 3 numbers whatever landline or mobile

★ Open the gate from anywhere in the world

★ For up to 12 apartments

★ Access control with free incoming call, up to 1500 phone numbers

★ No wiring installation fee for indoor station

★ Master station and slave station with 1 SIM

4G Community Intercom
SS2106 Master / Slave

Application

Master Station (4G SIM card inside) — RS485 — Slave Station — 4G Network — No wiring installation fee

The SS2106 series is designed to enable community intercom units to share one SIM card, which can significantly reduce Number of SIM cards. It is an ideal solution for large-scale installations, such as multi-building communities or multi-exit parking lots, where community intercom units can be set up at different entrances or exits, all using the same SIM card.

Specification

Model	SS2106M-12K (SS2106S-12K)	SS2106M-12D (SS2106S-12D)
Call out numbers	500x3	12x3
Open the door with PIN code	1000	NO
Open the door with caller ID	1500	1500
Call log	YES	YES
Relay control	2	2
LCM	YES	NO
Dimension	324(H)*177(W)*65(D) mm	
Module	EC21-A : B2 B4 B12 EC21-AU : B1 B2 B3 B4 B5 B7 B8 B28 EC21-E : B1 B3 B5 B7 B8 B20	
SIM Card type	Micro-SIM	
Operating Voltage	12 Volt DC	
Setup by	SMS /APP / PC	

4G Audio Intercom

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4G Model
Supports VoLTE **VoLTE** Voice Over LTE

Detached House

Feature

★ Answer the door intercom and talk with visitor anywhere anytime

★ Calls up to 3 numbers whatever landline or mobile

★ Open the gate from anywhere in the world

★ 1150 caller ID access control by free call

★ No wiring installation fee

★ Simple to setup by SMS or APP

★ Anti-Vandal and stainless steel design

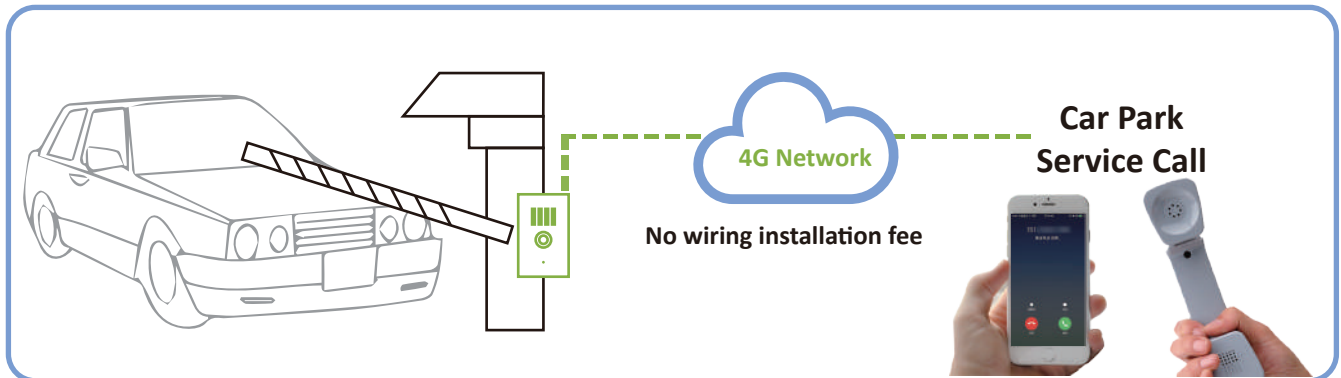★ Flush mount and surface mount design

SS2204-4G01A

SS1404-4G01

Gooseneck Pole Mount
4G Intercom With Keypad

SS2204-4G01AO-K12H

Feature

★ Ideal for driveway gates

★ Answer the door intercom and talk with visitor anywhere anytime

★ 1150 caller ID access control by free call

★ 384 user PIN codes access control from keypad

★ Optional for calling 1 guardroom or 200 residents

4G Audio Intercom

Application

4G Network

Car Park
Service Call

No wiring installation fee

▲ Taxi Free Phone designed for all weather and anti-vandal use. Own your location!
Uses a SIM card and calls the taxi office phone number when the call button is pressed.
▲ Press the 4G intercom call button and it will automatically connect you to
 the car park service enter for help.

4G Audio Intercom Comparison table

Model	SS2204-4G01A	SS1404-4G01	SS2204-4G01AO-K12H
Call out numbers	3	3	3
Open the door via PIN code	NO	NO	YES(384)
Open the door via caller ID	1150	1150	1150
Call List Report	YES	YES	YES
Relay control	2	1	2
SMS Alerts if cracked	YES	YES	YES
Dimension	174(H) x 113(W) x 65(D) mm	324(H)*177(W)*65(D) mm	260(H) x 160(W) x 120(D) mm
Module	EC21-A : B2 B4 B12 EC21-AU : B1 B2 B3 B4 B5 B7 B8 B28 EC21-E : B1 B3 B5 B7 B8 B20		
SIM Card type	Micro-SIM		
Operating Voltage	12 Volt DC		
Setup by	SMS /APP		

4G Audio Intercom

SS1808-01 | SS1808-08 | SS1808-12
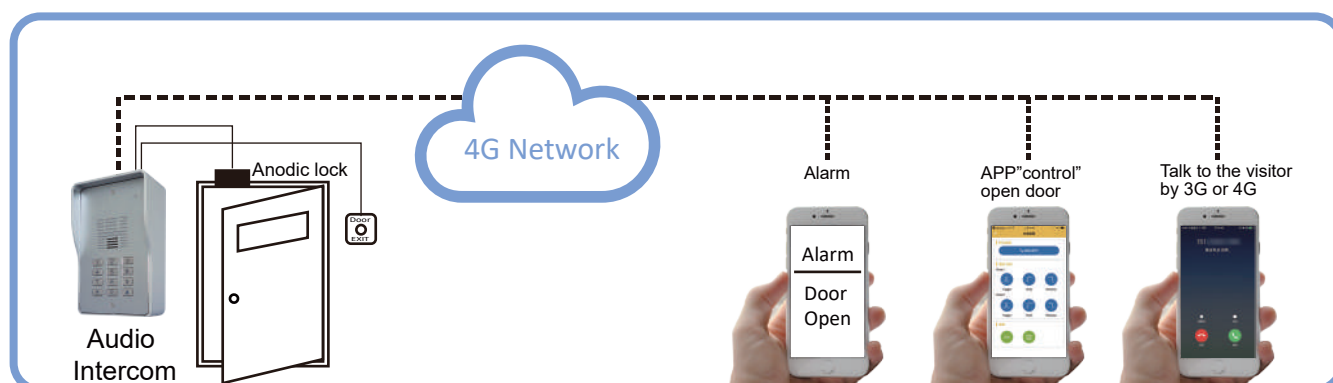### Single | 8 Apartments | 200 Apartments

Feature

★ Answer the door intercom and talk with visitor form anywhere anytime

★ Calls up to 3 numbers whatever landline or mobile

★ Open the gate from anywhere in the world

★ 1150 caller ID access control by free call

★ No wiring installation fee

★ Anti-Vandal and aluminum design

★ Flush mount and surface mount design

★ Simple to setup by PC / SMS /APP

★ Check log via SMS/ Email

★ For use up to 200 apartments

★ 384 user PIN codes for access control

★ User selectable 1-14 digit PIN codes

★ Blue backlight keypad is easy to operate at night

(★:Only 200 Apartments)

4G Audio Intercom

Application

Anodic lock

4G Network

Alarm

APP"control" open door

Talk to the visitor by 3G or 4G

Alarm
Door Open

Audio Intercom

▲ When the door is cracked open by a burglar, the 4G intercom will notify the user by SMS alert.

▲ The 4G intercom is also ideal for vacation homes! when your tenants arrive, they simply press the keypad password to gain entry to your property.

4G Audio Intercom Comparison table

Model	SS1808-01	SS1808-08	SS1808-12
Households	1	8	200
Call out numbers	3	24(8X3)	600(200x3)
Open the door via PIN code	NO	NO	YES(384)
Open the door via caller ID	1150	1150	1150
Relay control	2	2	2
Name tag	YES	YES	NO
Call List Report	YES	YES	YES
SMS Alerts if cracked	YES	YES	YES
Face plate	180(H) x 109(W)mm		
Dimension	189(H) x 118(W) x 65(D)mm		
Module	SS1808: 4G｜EC21		
SIM card type	Micro-SIM		
Operating Voltage	12 Volt DC		
Setup by	PC / SMS /APP		
Design	Anti-Vandal and aluminum design		

Fixed Wireless Terminal (FWT)

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4G FWT

4G Model
Supports VoLTE

VoLTE Voice Over LTE

With Fixed Wireless Terminals enterprises can benefit from substantial cost savings using Least Cost Routing (LCR) with the terminal connected to PBX. This enables turning fixed-to-mobile into mobile-to-mobile calls.

NEOS 3000

★ Connect the NEOS3000A-4G to an analog trunk of PABX or a standard phone

★ Make direct mobile to mobile phone call to replace the expensive PSTN to mobile phone call

★ Mobile Trunk and Back-up telephone line

★ Automatically take advantage of the lowest rate to reach the LCR

★ Wireless payphone application

Application

★ Taxi station

★ Elevator emergency

★ Security alarm communicator

NEOS 4000

★ 4 channels model	★ Polarity Reversal
★ Call restricted	★ Time control
★ Save on call cost	★ Rack mount / wall mount

Fixed Wireless Terminal (FWT)

Application

Be a mobile trunk

PLMN

NEOS 3000

Module	NEOS3002-4G │ EC21
Phone port:	RJ-11 interface for POTS
Line port:	RJ-11 interface for PSTN
Power:	AC/DC adapter
LCM signal:	USB connector for liquid crystal display module (optional)
Dimensions:	160(L) x 120(W) x 27(H)mm
Weight	280g
Packaging	1 unit/box and 20 units/carton
Connector	SMA antenna connector
	USB B type interface for data transmission

NEOS 4000

Module	NEOS4000-4G │ EC21
Phone interfaces	Impedance:600Ω or AU 220Ω+820Ω//120nF or others Line current:24mA
Dimensions and Weight	240(L) x 164(W) x 43(H)mm 966g
Connectors	PHONE PORT:P1,P2,P3,P4 RJ11 interface for POTS interface DC12V:12VDC power jack ANT1,ANT2,ANT3,ANT4:SMA plug female(50ohm) SIM1,SIM2,SIM3,SIM4:SIM card connector
LED indicators	Power │ Status │ Mobile │ Hook(CPE)
Antenna(included)	SMA magent antenna(3meter)
Environment	Operating:-10°C~50°C Storage:-40°C~60°C Humidity:5%~95%
AC to DC swithing power supply(included)	AC input:100~240VAC,50/60Hz DCoutput:DC12V/3A AVAilable plug:US,EU,AU,UK

4G Access Controller

SS1806 (Gate Opener)

Feature

★ Open the door via Call/SMS remotely

★ 1150 caller ID access control by free call

★ Log records sent via SMS/Email

★ SMS alert when input is triggered

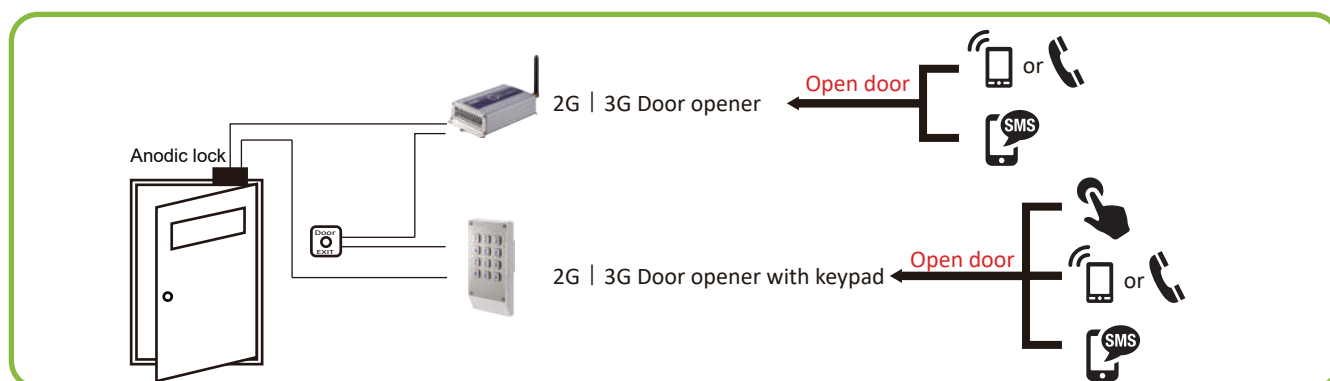★ Supports 2 output relays and 3 input triggers

SS1401-4G (Keypad Opener)

Feature

★ Open the door via PIN code or Call/SMS remotely

★ 384 user PIN codes

★ 1150 caller ID access control by free call

★ Log records sent via SMS/Email

★ SMS alert when input is triggered

★ Support 2 output relays and 3 input triggers

★ Wrong PIN code entry limit and will emit alert sound

★ Anti-Vandal and stainless steel keypad with blue backlight design

4G Access Controller

Application

4G Access controller Comparison table

Model	SS1806	SS1401-4G
Open the door via PIN code	NO	YES(384)
Open the door via caller ID	1150	1150
Call List Report	YES	YES
Inputs	3	0
Outputs	2	2
SMS Alerts if cracked	YES	YES
Dimension	90(H) x 60(W) x 27(D) mm	164(H) x 81(W) x 75(D) mm
SIM Card type	Nano-SIM	Micro-SIM
Module	EC21-A : B2 B4 B12 EC21-AU : B1 B2 B3 B4 B5 B7 B8 B28 EC21-E : B1 B3 B5 B7 B8 B20	
Operating Voltage	12 Volt DC	
Setup by	SMS /APP	

Accessories

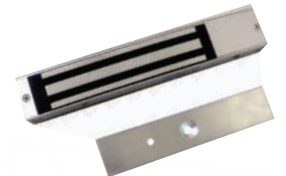|	Surface Mount Box		Lighted Directory	
Model	DC-020A	DC-029A	SS1900-01	SS1800-01
Suitable for	SS91B / SS1804 / SS2204	SS1603 / SS1808(series)	SS1912	SS1603-12 / SS1808-12
Dimension (H)x(W)X(D)	174x 113 x 65 (mm)	189 x 118 x 65 (mm)	276 x 116 x 50 (mm)	189 x 118 x 65 (mm)

Door Latches & Egress Button

Electric silent Lock with exit button

Electric Bolt

Electric Strike Lock

Magnetic lock

Egress Button

Egress Button

Egress Button

Magnetic reed switch

Contact

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