DS-PHA Series
Hybrid Security Control Panel



DS-PHA series hybrid security control panel, containing on-board zones, supports wired/wireless alarm inputs and outputs expanding. It works with Wi-Fi, LAN, GPRS, and 3G/4G communication methods, as well as ISAPI, Ehome 5.0, and DC09 protocol. It is applicable to the scenarios of market, store, house, factory, warehouse, office, etc.

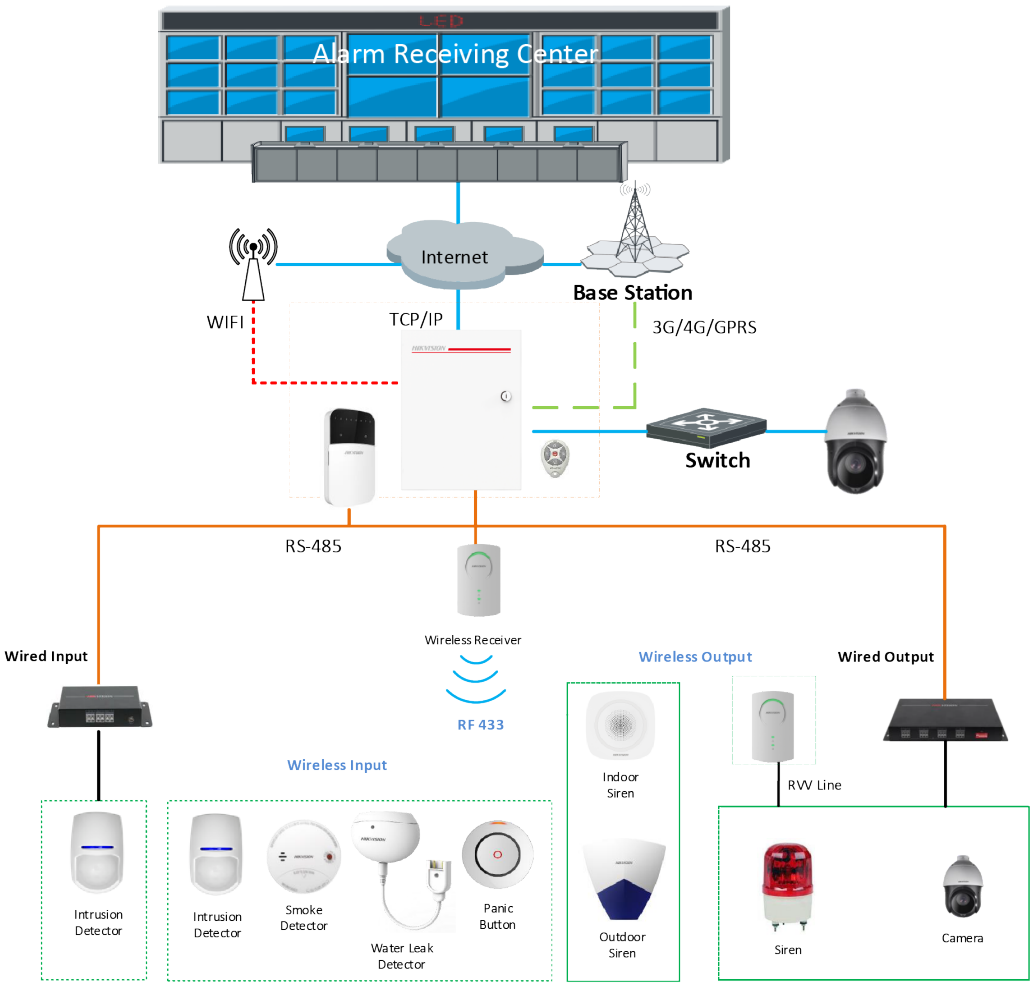
Available Models

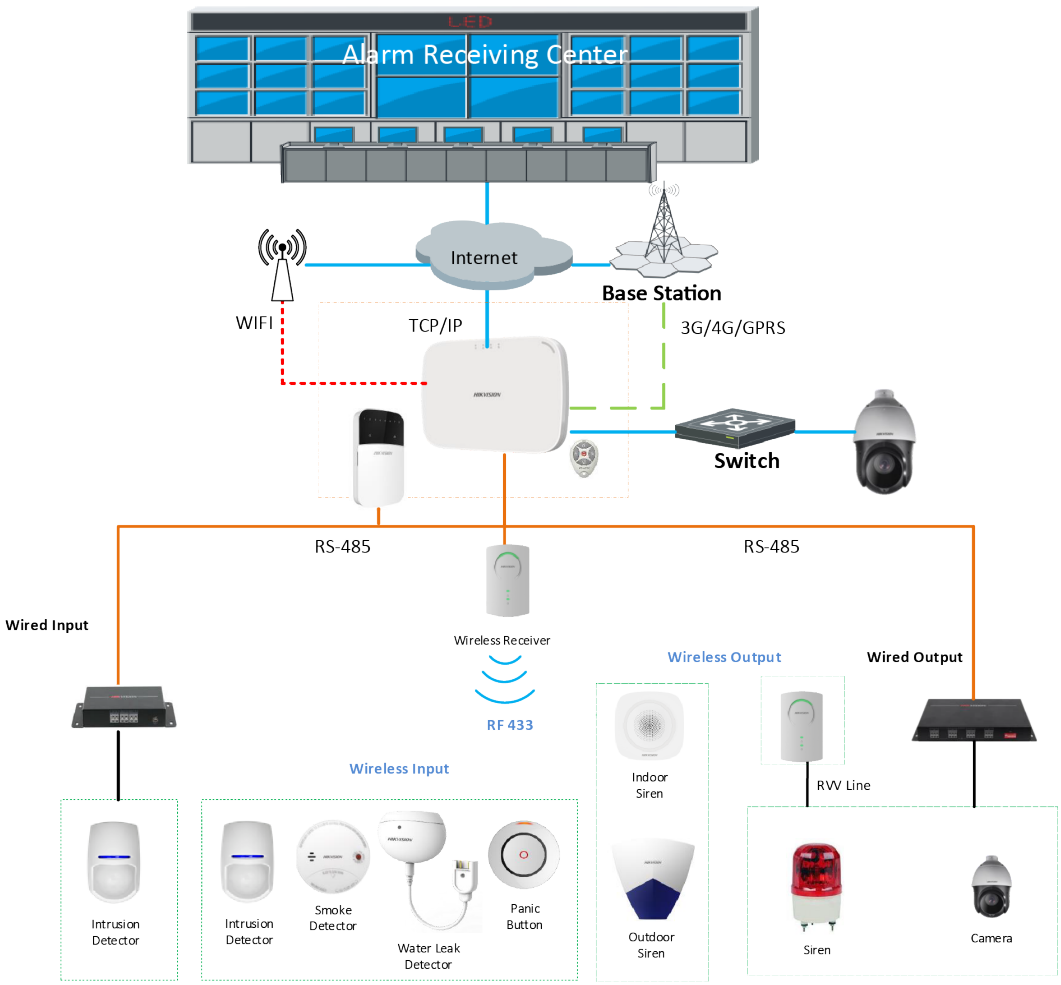
- DS-PHA20-P
  SAP: 302401397
- DS-PHA20-M
  SAP: 302401486
- DS-PHA64-M
  SAP: 302401466
- DS-PHA20-W2P: supports Wi-Fi and short video verification
  SAP: 302401439
- DS-PHA20-W2M: supports Wi-Fi and short video verification
  SAP: 302401487
- DS-PHA64-W4M: supports Wi-Fi and short video verification
  SAP: 302401467
- DS-PHA64-W4P: supports Wi-Fi and short video verification
  SAP: 302401394
- DS-PHA20-B (PCB only)
  SAP: 302401495
- DS-PHA64-B (PCB only)
  SAP: 302401497
- DS-PHA20-W2B (PCB only): supports Wi-Fi and short video verification
  SAP: 302401499
- DS-PHA64-W4B (PCB only): supports Wi-Fi and short video verification
  SAP: 302401501

Features

- Dual path communication of alarm events and other signals over LAN, PSTN, Wi-Fi (-W model), GPRS and 3G/4G utilizing a main and backup channel with configurable priority
- 4/8 on-board wired zones, and expandable with up to 20/64 wired zones
- Up to 16/56 wireless inputs, 18/60 wireless outputs, 8 keyfobs, 1 wired siren and 2 wireless sirens
- Camera accessing (only supported by DS-PHAXX-W2/4)
- Pre-alarm (5 s) and post-alarm (2 s) recording for video verification to the alarm receiving email or mobile client
- Uploads alarm events to alarm receiving center or platform.
- Supports arming/disarming via keypad, mobile client, iVMS-4200, SMS, and tag
- Configuration via web client, Hik-Connect, or iVMS-4200
- Pushes alarm notification via messages and email
- AES-128-bit data encryption
- LED indicator for indicating system status
- Expandable PSTN, 3G/4G, and GPRS interface
- Supports RS-485 input and output expander
- Supports lithium battery (-P model) or storage battery (-M model)
- 1 manufacturer, 1 installer, 1 administrator, and 13 users (DS-PHA20)/45 users (DS-PHA64)

Typical Application




Alarm Receiving Center
Internet
Base Station
WIFI
TCP/IP
3G/4G/GPRS
Switch
RS-485
RS-485
Wired Input
Wireless Receiver
RF 433
Wireless Output
Wired Output
Wireless Input
Indoor Siren
RW Line
Intrusion Detector
Intrusion Detector
Smoke Detector
Water Leak Detector
Panic Button
Outdoor Siren
Siren
Camera

Model		DS-PHA20-P DS-PHA20-M DS-PHA64-M	DS-PHA20-W2M DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P
Device connection	Wireless Detector	Up to 16/56	
	Wireless Output expander	Up to 8	
	Siren	1 wired siren (on-board connection) 2 wireless sirens	
	Keyfob	8	
Alarm input	Partition	4 (DS-PHA20) 8 (DS-PHA64)	
	Zone	4 on-board zones , and 16 wired/wireless zones expandable (DS-PHA20) 8 on-board zones, and 56 wired/wireless zones expandable (DS-PHA64)	
Alarm output	Alarm output	2 on-board outputs, and 18 wired/wireless outputs expandable (DS-PHA20) 4 on-board outputs, and 60 wired/wireless outputs expandable (DS-PHA64)	
Function	Scheduled output control	Supported	
	Scheduled arming/disarming	Supported	
	SMS notification (with 3G/4G/GPRS module)	Supports up to 8 mobile phone numbers	
	Network camera accessing	N/A	2 (DS-PHA20) 4 (DS-PHA64)
Application & Protocol	Application	iVMS-4200 (client software) Hik-Connect (mobile client)	
	Protocol	ISAPI: Supports client software and web client Cloud P2P: Supports cloud P2P privacy protocol DC09: ARC accessible (CID/SIA)	
Network	Wired network	10M/100M Ethernet	
	Cellular Network (with 3G/4G/GPRS module)	Supports report push-notification to ARC & Cloud	
Wi-Fi	Standard	N/A	802.11b/g/n
	Encryption	N/A	64/128-bit WEP,WPA/WPA2,WPA-PSK/WPA2-PSK,WPS
	Configuration	N/A	AP Mode
	Distance	N/A	Indoor: ≤ 50 m Outdoor: ≤ 100 m
Interface & Component	TAMPER Switch	1, front cover tamper-proof	
	Network Interface	1, RJ45 10M/100M Ethernet Interface	
	Telephone Interface	1, PSTN expander interface	

Model		DS-PHA20-P DS-PHA20-M DS-PHA64-M	DS-PHA20-W2M DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P
	RS-485 Terminal	1, extended up to 20 inputs/outputs (with RS-485 module), and 9 wired keypads extendable (DS-PHA20) 1, extended up to 64 inputs/outputs (with RS-485 module), and 9 wired keypads extendable (DS-PHA64)	
	Siren Power Interface	1, 12V	
	Battery Interface	Lithium battery (-P model) Storage battery (-M model)	
User	User	Installer: 1 Administrator: 1 Manufacturer:1 Operator: 13 (DS-PHA20), 45 (DS-PHA64)	
Others	Power	100 to 240 VAC, 50/60 HZ	
	Current	3 A Max	
	Operation Temperature	–10 °C to 55 °C (-4 °F to +122 °F)	
	Operation Humidity	10% to 90% (No condensing)	
	Dimension (W × H × D)	Plastic Case: 220 mm (8.6") × 152 mm (6.0") × 31.5 mm(1.2") Metal Case: 351.4 mm (13.8") × 261.4 mm (10.3") × 93.3 mm (3.7")	

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