

## 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, ISUP, and DC09 protocol. It is applicable to the scenarios of market, store, house, factory, warehouse, office, etc.



### Available Models

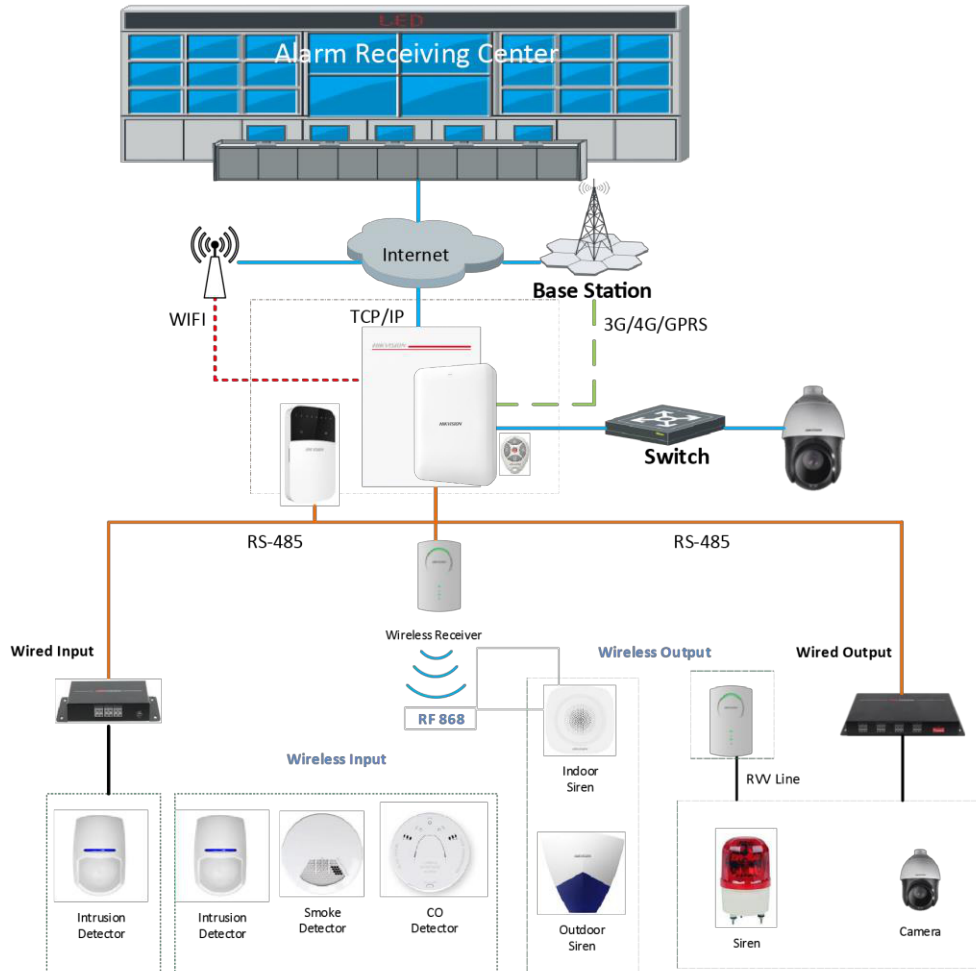
- DS-PHA20-P  
SAP: 302401397
- DS-PHA64-M  
SAP: 302401466
- DS-PHA20-W2P: supports Wi-Fi and short video verification  
SAP: 302401439
- DS-PHA64-W4M: supports Wi-Fi and short video verification  
SAP: 302401467
- DS-PHA64-B (PCB only)  
SAP: 302401497
- DS-PHA64-W4B (PCB only): supports Wi-Fi and short video verification  
SAP: 302401501
- DS-PHA64-P2  
SAP: 302401709
- DS-PHA64-W4P2: supports Wi-Fi and short video verification  
SAP: 302401714

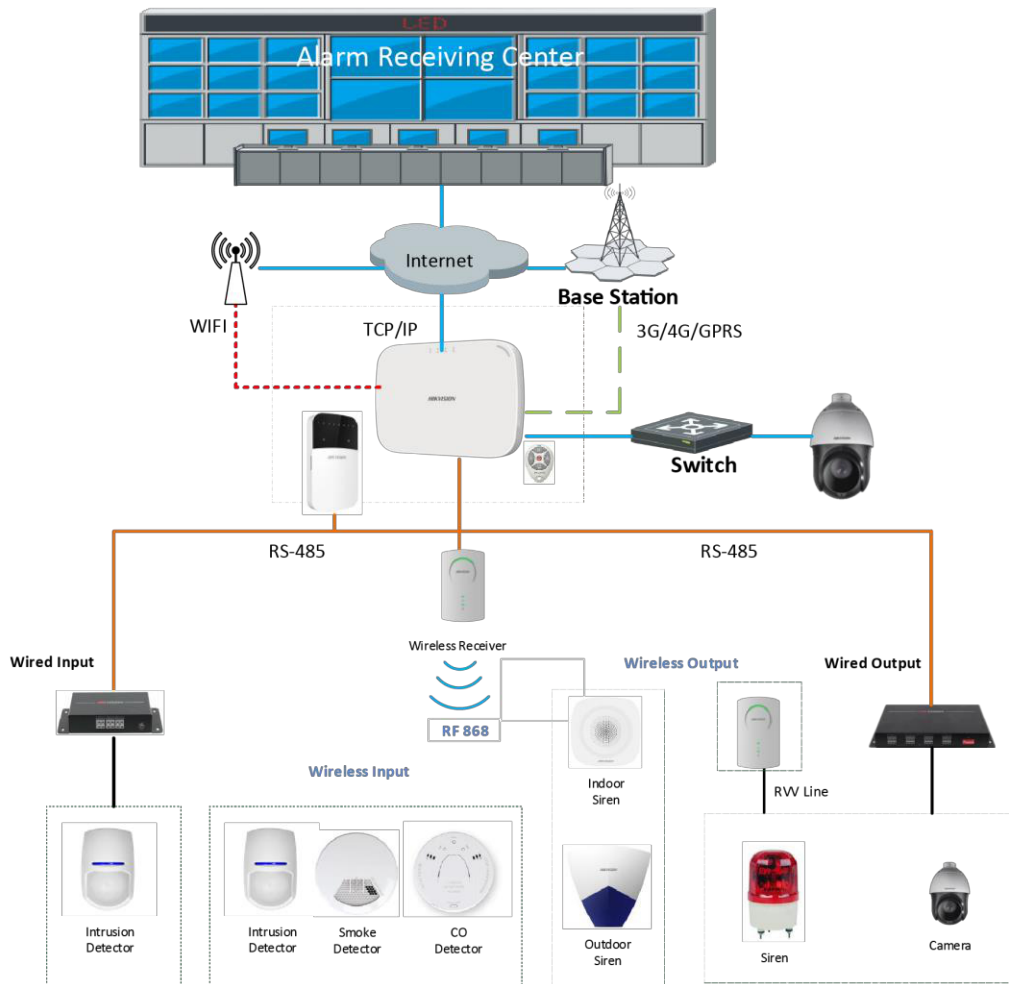


## Features

- 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
- Alarm video clips via emails and APP
- 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





Model	DS-PHA20-P DS-PHA64-P2 DS-PHA64-B DS-PHA64-M	DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P2 DS-PHA64-W4B	
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	
	Partition	4 (DS-PHA20) 8 (DS-PHA64)	
Alarm input	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	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)	
	Wired network	10M/100M Ethernet	
Network	Cellular Network (with 3G/4G/GPRS module)	Supports report push-notification to ARC & Cloud	
	Standard	N/A	802.11b/g/n
Wi-Fi	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
	TAMPER Switch	1, front cover tamper-proof	
Interface & Component	Network Interface	1, RJ45 10M/100M Ethernet Interface	
	Telephone Interface	1, PSTN expander interface	

User	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/-P2 model)	
	User	Installer: 1 Administrator: 1 Manufacturer:1 Operator: 13 (DS-PHA20), 45 (DS-PHA64)	
	Power	100 to 240 VAC, 50/60 HZ	
	Current	3 A Max	
	Operation Temperature	-10 °C to 55 °C (-4 °F to +122 °F)	
Others	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") -P2 model Plastic Case: 310 mm (12.2") × 225 mm (8.6") × 95 mm (3.7") Metal Case: 351.4 mm (13.8") × 261.4 mm (10.3") × 93.3 mm (3.7")	
	Weight	DS-PHA20-M: 3.6 Kg DS-PHA64-M: 3.6 Kg DS-PHA20-P: 0.8 Kg DS-PHA64-P2: 1.15 kg	DS-PHA64-W4M: 3.7 Kg DS-PHA20-W2P: 0.8 Kg DS-PHA64-W4P: 0.8 Kg DS-PHA64-W4P2:1.17 kg

Distributed by

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