GuardPod
Secure your site

GuardPod

- PIR Motion Detector (with camera)
- Alarm Siren (up to 110dB)
- Alarm Hub (2G/3G/LTE)
- Integrated Battery Options (up to 5 years)
- Shock & Tilt Sensor (built-in)

GuardPod is a battery powered rapid deployment intruder alarm system providing 360° detection up to 30m diameter detection zone with photo alarm verification. This fully battery powered alarm tower provides the perfect solution for deployment on building sites and other remote locations with no existing infrastructure. Equipped with the award wining AJAX system, its fully compatible for mobile App operation providing self-monitoring solutions as well as monitored alarm receiving centres for rapid response. GuardPod is 100% battery powered without solar cells making it suitable for all sites, indoors & outdoors. It does supports dual SIM communication paths and incorporates class leading Anti-Jamming technology from AJAX.

AJAX HUB BP	
Capacity	
Ajax devices	up to 100
Ajax NVRs	up to 36
Users	up to 50
Automation scenarios	up to 32
Security groups	up to 9
Rooms	up to 50
Event log	up to 1,000 events
Wireless communication	
Jeweller communication technology	Advanced anti-sabotage.
Two-way communication.	Instant notifications.
Remote control and configuration in Ajax apps.	
Frequency bands	866.0–866.5 MHz
	868.0–868.6 MHz
	868.7–869.2 MHz
Radio communication range	up to 2,000 m
Polling interval	from 12 s to 300 s
Proprietary wireless communication technology to transmit photos.	Wings communication technology
Radio communication range	up to 2,000 m
Encrypted communication	
All stored and transmitted data are protected by block encryption featuring a dynamic key.	
up to 25 mW	Frequency hopping
Communication channels	
Cellular	2 × micro SIM slot
Cellular bands	2G
	GSM900/DCS1800 (B3/B8)
	3G
	WCDMA 850/900/2100 (B1/B5/B8)
	4G (LTE)
	FDD B1/B3/B5/B7/B8/B20
External antenna connectors	
Notification types	
	SMS
	Calls
Photo verification	
Photo verification types	Photo by alarm
	Photo by scenario
	Photo on demand
	Photo by schedule
Photo resolution	up to 640 × 480 pixels
Number of photos in a series	from 1 to 5 pictures

Power supply	
External	4.2–16 V⎓, up to 2 A
Zinc-air battery or external power source.	
Internal	4.2–16 V⎓, up to 2 A
Rechargeable lead-acid and LiFePO4 batteries / Non-rechargeable LTC batteries	(not included)
Device operating DC voltage range	3.5–16 V⎓
Autonomous operation	
On external battery in full function mode	**Approx Duration**
On a 12 V⎓, 600 Ah, external battery (not included).	Up to 18 months
On a 12 V⎓, 100 Ah, external battery (not included).	Up to 90 Days
On a 12 V⎓, 50 Ah, external battery (not included).	Up to 45 Days
Sabotage protection	Tamper alarm
Enclosure	
Dimensions	196 × 238 × 100 mm
Weight	1,010 g
Operating temperature range	from −10 °C to +40 °C
Operating humidity	up to 75%
Protection class	IP40

GuardPod Tower	
Dimensions	
Height	1470mm
Width x length	650mm
Weight (bottom section)	26kg (no Battery)
Weight (top secton)	12kg
Material (Tower)	ABS Plastic
Material Base (Steel)	Steel

PIR Detector with CAM	
Specifications	
Classification	Electro-Optical Radio Channel Security Detector
Type of Detector	Wireless
Installation	Outdoor/Indoor
Recommended Installation Height	0.8m to 1.3m
Sensing Element	2x PIR Sensor
Motion Detection Distance	Adjustable, from 3m to 15m
Pet Immunity	Animals Up To 80cm Tall
Sensitivity	Adjustable, 3 Levels
Motion Detector's Viewing Angle	Horizontal — 90° Vertical — 80°
Camera Angle	Horizontal — 105° Vertical — 50°
TV Distortion (EBU standard)	Barrel –17%
Photo in Case of Alarm	Photo resolution: 320 × 176 pixels (by default) 640 × 352 pixels Shooting series up to 5 photos
Infrared Light for Shooting in the Dark	Yes
Power Supply	4x CR123A Batteries
Supply Voltage	6V
Jeweller Radio Protocol	Communication range with a hub — up to 1,700 m in an open space Two-way communication between hub and device Radio frequency bands: 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz (depends on the region of sale) Self-adjusting RF output power — up to 20 mW Block encryption with a dynamic key Detector polling period — 12–300 s Frequency hopping
Alarm Delivery Time	0.15s
Temperature Sensor	Yes
Wings Radio Protocol	Transmission of a series of photos Photo delivery time with a default settings: up to 9 seconds
Operating Temperature	-25°C~60°C
Operating Humidity	Up to 95%

IP Rating	IP55
Anti-Sabotage	Anti-masking; Protection against forgery; Jamming detection; Tamper-resistant
Dimensions	206mm x 108mm x 93mm
Weight	0.47kg

SIREN	
Specifications	
Classification	Warning Device with LED Indicators (Outdoor Siren)
Type of Detector	Wireless
Installation	Outdoor/Indoor
Type of Notification	Sound/Light
Sound Volume Level	Adjustable, 85–113 dB at a Distance of 1m
Alarm Duration	Adjustable; 3s to 3min
Indication of Armed/Disarmed Status	Yes
Power Supply	Battery: Four CR123A batteries, 3 V Mains supply: DC 12 V±20%
Battery Life	5 Years
Jewelller Radio Protocol	Communication range with central unit — up to 1,500 m in an open space Two-way communication between devices Radio frequency bands: 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz (depends on the region of sale) Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Detector polling period — 12–300 s
Operating Temperature	-25°C~50°C
Operating Humidity	Up to 95%
IP Rating	IP54
Anti-Sabotage	Forgery prevention; Jamming detection; Tamper-resistant
Dimensions	200mm x 200mm x 51mm
Weight	0.528kg

Shock / Tilt

Specifications

Classification	Combined point magnetic contact and vibration radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Hub, Hub Plus, Hub 2 and ReX
Sensing element	Reed switch, accelerometer
Alarm signal delivery time	0.15 s
Activation threshold	Small magnet - 1 cm, Big magnet - 2 cm
Power supply	Battery: CR123A battery
Power supply voltage	3 V
Battery life -	up to 5 years
Jeweller radio technology	Communication range with central unit - up to 1,200 m in an open space Two-way communication between devices Operating frequencies - 868.0-868.6 MHz Self-adjusting RF output power - up to 20 mW Block encryption based on AES algorithm Device polling period - 12-300 s
Temperature sensor	Available
Operating temperature range	+5°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud, Jamming detection, Tamper-resistant
Remote setting and testing	+
Dimensions	Diameter: 20 mm Height: 90 mm
Weight	29 g

BATTERY

Optional Battery 50Ah

Rated Capacity	50Ah
Battery Power	640Wh
Battery Voltage	12.8V
Operation Voltage	10-14.6V
Standard Charge/Discharge	25A/25A
Maximum Continuous Charge/Discharge	50A/50A
Peak Current	200A/10s
Number of Series and Parallel Connections	4P4S
Charging Voltage	14.6V
Battery Size	232*135*181mm / 9.13*5.31*7.13inch
Battery Weight	5.74kg / 12.65lbs
Operation Temperature Range	Charge: 0~55℃ / Discharge: -20~55℃
Terminal Type	M6
Case Material	ABS

Optional Battery 100Ah	
Rated Capacity	100Ah
Battery Power	1280Wh
Battery Voltage	12.8V
Operation Voltage	10-14.6V
Standard Charge/Discharge	50A/50A
Maximum Continuous Charge/Discharge	100A/100A
Peak Current	230A/10s
Number of Series and Parallel Connections	4P4S
Charging Voltage	14.6V
Battery Size	260*168*234mm / 10.2*6.6*9.2inch
Battery Weight	10.8kg / 23.8lbs
Operation Temperature Range	Charge: 0~55℃ / Discharge: -20~55℃
Terminal Type	M8
Optional Battery 200Ah	
Rated Capacity	200Ah
Battery Power	2560Wh
Battery Voltage	12.8V
Operation Voltage	10-14.6V
Standard Charge/Discharge	100A/100A
Maximum Continuous Charge/Discharge	160A/200A
Peak Current	500A/10s
Number of Series and Parallel Connections	4P4S
Charging Voltage	14.6V
Battery Size	367*189*271mm / 14.4*7.4*10.7inch
Battery Weight	20kg / 44.1lbs
Operation Temperature Range	Charge: 0~55℃ / Discharge: -20~55℃
Terminal Type	M8