ComX Computers
Product Specification Sheet

AJX-H-H2-4G-B

Ajax Hub 2 (4G) Alarm Hub

Product Overview

Ajax Hub 2 (4G) Alarm Hub, Features Dual-SIM 4G / LTE and Ethernet connectivity for Multi-Channel Redundancy, Supports up to 100 Wireless devices including 25 IP cameras or dvrs, Delivers Photo verification via MotionCam detectors in under 9 seconds using Wings Protocol, Integrated Li-Ion Battery provides up to 16 hours of Backup Power, Operates on Jeweller and Wings Radio protocols with ranges up to 1700 meters, Supports 50 users across 9 Security Groups with 32 automated scenarios, Includes tamper Switch for enclosure opening detection and jamming protection









Specifications

Overview Summary:

Secure your home or business in South Africa with the Ajax Hub 2 (4G), the ultimate nerve center for modern security systems. This advanced alarm hub ensures uninterrupted protection through its tri-channel connection reliability, combining Ethernet and dual-SIM 4G/LTE support to guarantee instant failover switching if one connection drops. With integrated photo verification capabilities, it delivers visual proof of alarms in under 9 seconds, eliminating blind alerts and giving you peace of mind knowing exactly what is happening at your property.

Designed for effortless deployment, the Ajax Hub 2 supports up to 100 wireless devices including cameras and sensors, all managed through intuitive mobile or desktop apps. Its built-in tamper protection and immune operating system safeguard

against cyber threats and physical sabotage, ensuring your security infrastructure remains robust and reliable. Take control of your safety today by shopping now for this top-tier security solution tailored for the South African market.

Performance tier: High-end professional residential and commercial security

Uses: Home alarm monitoring, business security automation, remote property management, video verification of intrusions, backup power during outages

Overview:

Ajax Hub 2 (4G) - The Core of Your Security Ecosystem
The Ajax Hub 2 (4G) acts as the central nerve center for a modern, high-performance security system. Designed to control all connected devices within your network, this hub manages complex security scenarios and detects threats instantly while delivering alarm notifications directly to your mobile device or monitoring station. With its robust dual-SIM 4G/LTE support combined with an Ethernet port, it ensures multi-channel redundancy so you are never left unprotected even if one connection fails.

Description:

The Ajax Hub 2 (4G), identified by SKU AJX-H-H2-4G-B, is a premium security hub engineered for reliability and speed. It empowers users with high-speed photo verification capabilities in under nine seconds via the Wings radio protocol, ensuring that every alarm triggers visual proof rather than false alerts. The system supports up to 100 wireless devices and integrates seamlessly with motion detectors, IP cameras, and automated lighting scenarios. Powered by the secure OS Malevich operating system, it offers immunity against cyber threats while its built-in battery backup guarantees continuous operation for up to 16 hours during power outages.

Features:

Tri-Channel Connection Reliability
Connectivity is never in question with this hub thanks to three independent communication channels. It utilizes high-speed Ethernet alongside two 4G-enabled SIM slots from different cellular providers. Should the primary Ethernet connection drop, the system automatically switches to cellular data within milliseconds without interrupting monitoring or missing a single alarm event.

Rapid Visual Verification
Avoid unnecessary panic by eliminating blind alarms. When a MotionCam detector senses an intrusion, the hub transmits animated photo series using the specialized Wings radio protocol. This allows security personnel and property owners to verify break-ins immediately without compromising everyday privacy.

Cyber and Physical Protection
Security extends beyond just physical entry points. Powered by the closed-source real-time OS Malevich, the hub is immune to viruses and software exploits. Hardware defenses include a tamper switch that alerts you if the enclosure is opened, continuous device polling every 12 seconds for status updates, and automated jamming detection with frequency hopping to block signal interference.

Effortless Setup and Management
Installation is straightforward using the included SmartBracket panel. All system configuration, zone assignments, and remote management tasks are handled intuitively through the Ajax PRO mobile application or desktop software, making it accessible for users of all technical levels.

Key Performance Specifications

- Connects up to 100 wireless devices including 25 IP cameras or NVRs

- Supports up to 50 individual user accounts and 9 distinct security groups
- Enables up to 32 automated actions such as schedule-based arming, water leak isolation, and light triggers
- Radio coverage extends up to 1,700 meters in open space using Jeweller protocol
- Built-in Li-Ion battery provides up to 16 hours of backup power during outages
- Communication range covers up to 2,000 meters with encrypted two-way radio transmission

Technical Details and Dimensions

- Product type: Alarm hub featuring 4G, Ethernet, and photo verification capabilities
- Radio protocols supported: Jeweller (868.0-868.6 MHz) and Wings for photos
- Main power requirement: 110-240 V AC input
- Connectivity options include Ethernet port plus two micro-SIM slots supporting 2G, 3G, and 4G LTE with automatic failover
- Device polling speed can reach as low as 12 seconds for real-time status updates
- Dimensions are compact at 163 x 163 x 36 mm in a sleek black finish

What's in the box

- Ajax Hub 2 (4G) unit
- SmartBracket mounting panel
- Power supply unit compatible with international standards
- Mounting kit including screws and anchors for secure installation
- User manual and quick start guide

Specifications:

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Specifications	
Product Code	AJX-H-H2-4G-B
Key specifications	
SKU	AJX-H-H2-4G-B
Details	
Product type	Alarm hub with 4G, Ethernet and photo verification
Communication range	Up to 1,700 m (open space)
Radio protocol	Jeweller, 868.0-868.6 MHz (region dependent) , Wings for photos
Backup battery	Li-Ion , up to 16 h
Visual verification	Photo verification via MotionCam detectors (Wings) , photos delivered in under 9 s
Main power	110-240 V AC
Connectivity channels	Ethernet , 2 x micro-SIM (2G/3G/4G LTE) , automatic failover
Alarm signal delivery time	Device polling down to 12 s
Max connected devices	100 devices , 25 IP cameras or DVRs , 50 users , 9 groups , 32 scenarios
Tamper protection	Tamper switch (enclosure opening)
Features	OS Malevich , jamming detection with frequency hopping
Physical and environment	

Mounting	SmartBracket
Dimensions	163 x 163 x 36 mm
Colour	Black

FAQ

Can this hub maintain security if my internet connection fails?
The Ajax Hub 2 (4G) features tri-channel reliability with dual-SIM slots and an Ethernet port. If the primary connection drops, it automatically switches to cellular data in milliseconds without interrupting monitoring.

How quickly will I receive proof of an alarm event?
When paired with MotionCam detectors, the hub uses the Wings radio protocol to deliver photo verification in under 9 seconds, allowing you or security personnel to verify a break-in instantly.

What is the maximum number of devices this system can support?
The hub supports up to 100 wireless Ajax devices, 25 IP cameras or NVRs, and allows for configuration by up to 50 users across 9 security groups with 32 automated scenarios.

How long does the backup battery last during a power outage?
The integrated Li-Ion battery provides up to 16 hours of uninterrupted operation if main power is lost, ensuring continuous protection.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/AJX-H-H2-4G-B-Ajax-Hub-2-4G-Alarm-Hub-p-341586.php

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