WIRED SECURITY CONTROL PANEL
Hikvision wired security control panels provide superior protection in many diverse situations, from retail to industrial scenarios.

The range features two control panels; the standard RS485 version and an M-BUS version with significantly extended range for larger installations. This choice of control panel allows the range to cater for almost any intrusion application, with scalable installation through expanders and repeaters, for complete flexibility, including hybrid capability, with wireless expansion via the RS485 Wireless Receiver.

With integration at their core, these control panels integrate seamlessly with the entire Hikvision range of video and intrusion devices, which includes an extensive portfolio of wired and wireless sensors and detectors. This integration is achieved over iVMS, which provides an ideal platform for multiple system management and setup.
KEY FEATURES

SCALABLE INSTALLATION
With a number of different types of expanders, the Hikvision range of wired security control panels can be adapted to any installation. Featuring 8 inputs on board and 4 outputs as standard, the panels can be expanded to 48 (RS485) or 256 (M-BUS) inputs, making the range suitable for mid to large scale applications.

GO FURTHER WITH M-BUS TECHNOLOGY
While the RS485 communication BUS delivers up to 1.2km, M-BUS technology significantly extends the normal range of a BUS by over double, to provide a BUS range of 2.4km. This greatly expands the panel’s capability to protect larger environments. Furthermore, the M-BUS panel features two independent BUS, greatly improving redundancy and security in the system, as if one BUS is compromised, the other will remain functional.

CENTRAL MONITORING STATION SIGNALLING
Hikvision’s range has the capability to send alarm transmission messages directly to Central Monitoring Stations (CMS). The control panels can also communicate to two CMS at once, to increase security and redundancy even further.

IVMS 4200
This function creates the software bridge between Hikvision intruder systems, CCTV, access control and intercom, to deliver a complete solution for every security need. Integrating the wired security control panel range with IVMS elevates the solution much further than traditional stand-alone systems.

WIDE RANGE OF PERIPHERALS
The Hikvision wired security control panels range utilises a wide range of wired peripherals. From internal PIR and dual technology, outdoor dual-technology and anti-masking detectors, to active infrared and break-glass sensors, the Hikvision range of wired alarm peripherals combined patented technologies with tried and tested techniques to ensure intruder catch performance in any environment.

HYBRID CAPABILITY VIA RS485
Utilising the RS485 Wireless Receiver, both versions of the wired security control panel can deliver hybrid capability. This allows compatibility with Hikvision’s wireless peripheral range, to add wireless PIR, dual technology and outdoor detectors, as well as life safety devices to the system. This is ideal for retrofits, covering hard-to-reach areas or where less invasive installation is required.
VERTICAL MARKETS

Commercial

Commercial environments can present significant security risks, due to their high value stock. Therefore, a security solution which combines all aspects of security is the only choice for this vertical. Hikvision’s integrated security portfolio delivers one system to control staff access, as well as video monitor and secure the premises on one platform. This provides significant advantages to both installers and end-users alike.

Retail

The retail sector requires security systems that are robust, scalable and provide a number of partitions and user profiles, particularly for shop owners and workers. Protection of workers is important, so incorporating hold up alarms, alongside video, creates a system which provides peace of mind to both staff and owners. The Hikvision range delivers this in abundance, along with remote programming and diagnostic capabilities, for easy setup and issues management.

Office

Multi-use office blocks often pose a challenge to intrusion systems. There needs to be consideration to multiple users across different businesses. Hikvision’s security systems have the ability to set up areas, with a high number of input availability and users, which presents great advantages in this field.

Education

With a number of different areas and large expansion capabilities, the M-BUS control panel is perfectly suited to this vertical. Providing two separate BUS lines provides greater scope and scale of installation, as well as the ability to segment the facility for greater redundancy; should one BUS be removed, the other maintains all peripherals to remain secure and detect any intruder movements. iVMS integration also delivers video capabilities and can link to intercom solutions, alongside management and monitoring onsite, remotely or from a Central Monitoring Station, to offer the perfect security solution from one provider, Hikvision.

Manufacturing & Industry

The challenges posed with industrial sites mean that security systems need to be integrated with other security solutions such as CCTV and Access Control. Hikvision’s range delivers this handily, with the 2.4km range of the MBUS enabling perimeter protection over a large area using one BUS, whilst the second BUS can be used to protect onsite offices, for example.
RS-485

Description
The DS-19A08/16-BNG control panels feature 8 or 16 inputs on-board and expandable to 48. The panels support communication of alarm transmissions to multiple central stations over various communications methods, including PSTN, GPRS, and LAN. All the functionality of the panel is configurable through client software or keypad programming.

The control panel and system is perfect for vertical industries such as finance, commercial and education, as well as shops, residential settings and apartments.

Main Features
- 8/16 inputs on-board and expandable to 48
- 4 outputs on-board and expandable to 48
- Transmission method: PSTN+LAN+(GPRS)
- Multiple CMS [Central Monitoring Station] communication paths
- Supports SMS alarm, alarm clear, arm, disarm (+G)
- Supports 32 keypads and 32 keyfobs
- Supports accumulator for power supply
- Scheduled arming/disarming function
- 8 partitions, including 1 public partition
- Tamper protection for panel and devices
- 1 siren output
- Remote upgrade via network
- Hybrid capability via RS485 Wireless Receiver

Available Models
DS-19A08-BN
8 inputs control panel, PSTN+LAN

DS-19A16-BN
16 inputs control panel, PSTN+LAN

DS-19A08-BNG
8 inputs control panel, PSTN+LAN+GPRS

DS-19A16-BNG
16 inputs control panel, PSTN+LAN+GPRS

Specifications

<table>
<thead>
<tr>
<th></th>
<th>DS-19A08/16BN</th>
<th>DS-19A08/16-BNG</th>
</tr>
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<tbody>
<tr>
<td>Alarm Inputs</td>
<td>8 inputs on-board expandable to 48</td>
<td>16 inputs on-board expandable to 48</td>
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<tr>
<td>Alarm Outputs</td>
<td>4 outputs on-board</td>
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<tr>
<td>Scheduled Output Rule</td>
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<td>YES</td>
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<tr>
<td>Siren Power Supply</td>
<td>12 VDC /750 mA</td>
<td></td>
</tr>
<tr>
<td>PSTN Support</td>
<td>1-ch</td>
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<tr>
<td>Auxiliary Power Output</td>
<td>12 VDC/1 A</td>
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<tr>
<td>Supported Keypads (LCD)</td>
<td>32</td>
<td></td>
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<tr>
<td>Tamper-proof Switch</td>
<td>1, Support Tampering Alarm</td>
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<tr>
<td>Scheduled Arming/Disarming</td>
<td>Support (Normal Schedule/ Preferential Schedule)</td>
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<tr>
<td>Partitions</td>
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<tr>
<td>Detector Tamper-proof Alarm</td>
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<tr>
<td>SMS Alarm-Report Push</td>
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<tr>
<td>Arming/Disarming via SMS Command</td>
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<td>YES</td>
</tr>
<tr>
<td>Key Fobs</td>
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<td></td>
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<tr>
<td>Wireless Network Standard</td>
<td>N/A</td>
<td>GPRS</td>
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<tr>
<td>SIM Card Slot</td>
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</tr>
<tr>
<td>SMA Antenna Interface</td>
<td>N/A</td>
<td></td>
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</table>

Communication
- Network Protocol: SADP and DHCP
- Network Interface: 1 RJ45, 10M/100M Self-adaptive
- Keypad Interface: 1 RS485 Half-duplex
- Port for Accumulator: 1, 12VDC/7Ah
- Printer Interface: 1 RS-232

Electrical Specifications
- Power Supply: 220VAC
- Consumption: ≤40W (Load Power≤40W)
- Other Details
  - Operating Temperature: -10°C ~ +55°C (14°F to 133°F)
  - Operation Humidity: 10% ~ 90%
  - Installation Mode: Wall-mounting
  - Dimensions (L x W x H): 370mm x 320mm x 86mm
  - Weight: <3.5kg

KEYPAD
- DS-PK00-LCD Keypad
- DS-PK00M-LCD Keypad with MIFARE Card Reader

RS485 INPUT EXPANDERS
- DS-PM-RS18 8 Input Expander
- DS-PM-RSWR RS485 Wireless Receiver

RS485 OUTPUT EXPANDERS
- DS-PM-RS04 4 Output Expander
- DS-PM-RS08 8 Output Expander
- DS-PM-RS08-H 8 Output High Power Expander
Description

The DS-19A08-01BN(G) is an M-BUS Security Control Panel with 8 inputs on-board, expandable to 256. It supports communication of alarm transmissions to multiple central stations over various communications methods, including PSTN, GPRS and IP. All the functionality of the panel is configurable through client software or keypad programming.

The advantage of M-BUS is the length of BUS that you can place on the system. Using powered expanders, the data BUS can reach much farther than the traditional RS485 BUS. This expands the range of applications that the M-BUS intruder panel can be used for.

The control panel and system is perfect for vertical industries such as finance, commercial and education, as well as critical infrastructure, petrochemical sites and government institutions.

Main Features

- 8 inputs on-board expandable to 256
- 4 outputs on-board expandable to 256
- 2 BUS(es), up to 24k each (RVV2 x 1.5mm) without repeater
- Tree and hand in hand BUS topology are available
- M-BUS non-polarity
- Transmission method: PSTN+LAN+(GPRS)
- Each transmission method can upload alarm information to two different CMS
- Supports SMS alarm, alarm clear, arm, disarm (-G)
- Remotely search event logs
- Remotely upgrade
- Remotely configure for importing/exporting
- Support 1 installer code, 1 master code and 199 user codes
- Contact ID protocol, up to 250 CID reports and multiplex telephone line
- Supports 32 keypads and 32 keytabs
- Scheduled arming/disarming function
- 8 partitions, including 1 public partition
- Up to 8000 alarm event logs, 2000 operation events logs and 1500 user management events can be stored
- Hybrid capability via RS485 Wireless Receiver

Available Models

DS-19A08-01BN
8 inputs control panel, PSTN+LAN

DS-19A08-01BN(G)
8 inputs control panel, PSTN+LAN+GPRS

Specifications

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<td>Alarm Input</td>
<td>8 inputs on-board expandable to 256</td>
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<tr>
<td>Alarm Output</td>
<td>4 outputs on-board expandable to 256 (Capacity: 12VDC/1A)</td>
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<td>Siren Power Supply</td>
<td>12VDC/750mA</td>
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<td>PSTN</td>
<td>Support (1-ch)</td>
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<td>Scheduled Arming/Disarming</td>
<td>Support (Normal Schedule/Preferential Schedule)</td>
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<td>Partitions</td>
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<td>Tampering Alarm Detector</td>
<td>Support 8 Local Zones</td>
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<td>1 RS-232 Information Output Interface</td>
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KEYPAD

DS-PK00-LCD
Keypad

DS-PK00M-LCD
Keypad with MIFARE Card Reader

M-BUS INPUT EXPANDERS

DS-PM-MI1
1 Input M-BUS Expander

DS-PM-MI2
2 Input M-BUS Expander

DS-PM-MI8
8 Input M-BUS Expander

M-BUS OUTPUT EXPANDERS

DS-PM-MO4-H
4 Output High power M-BUS Expander

DS-PM-MO32
32 Output M-BUS Expander

M-BUS REPEATER

DS-PM-MR
M-BUS Repeater

RF-RECEIVER

DS-PM-RSWR
RS485 Wireless Receiver