HIKVISION®

WIRED SECURITY
CONTROL PANEL

INTEGRATED. SCALABLE. SECURE.

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.

SMS

iVMS

Central Monitoring Station

KEY FEATURES

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.


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.

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.
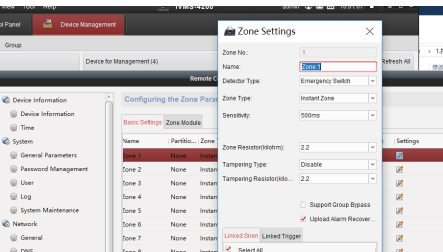
iVMS 4200

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.
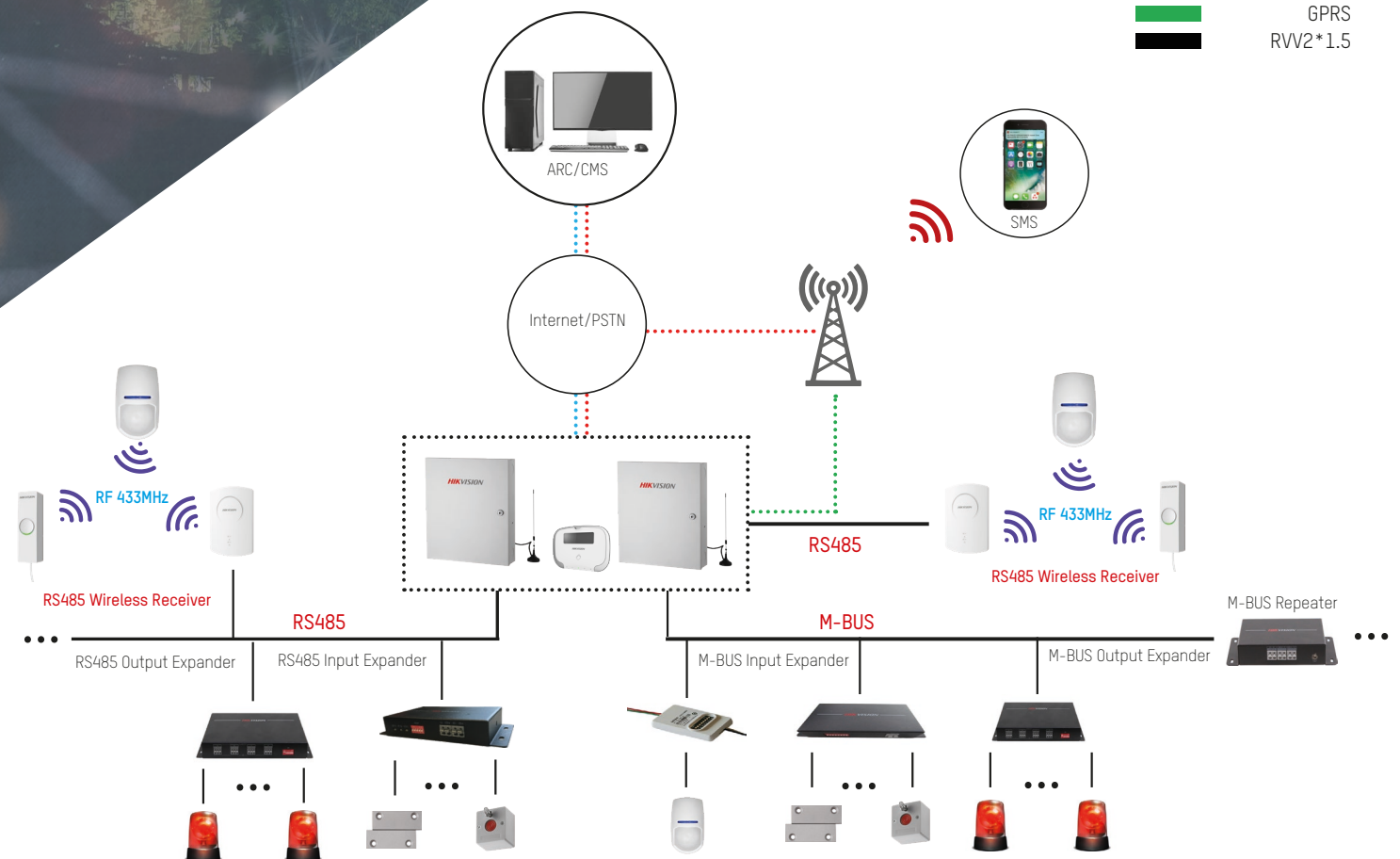

HYBRID CAPABILITY VIA RS485

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.

SYSTEM TOPOLOGY

▬	PSTN
▬	Wired Network
▬	GPRS
▬	RVV2*1.5

ARC/CMS

SMS

Internet/PSTN

RF 433MHz

RS485 Wireless Receiver

RF 433MHz

RS485 Wireless Receiver

RS485

M-BUS Repeater

RS485

M-BUS

RS485 Output Expander

RS485 Input Expander

M-BUS Input Expander

M-BUS Output Expander

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.

RS485

Description

The DS-19A08/16-BN(G) 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

	DS-19A08/16BN	DS-19A08/16-BNG
Specifications		
Alarm Inputs	8 inputs on-board expandable to 48	16 inputs on-board expandable to 48
Alarm Outputs	4 outputs on-board	
Scheduled Output Rule	YES	
Siren Power Supply	12 VDC /750 mA	
PSTN	Support (1-ch)	
Auxiliary Power Output	12 VDC/1 A	
Supported Keypads (LCD)	32	
Tamper-proof Switch	1, Support Tampering Alarm	
Scheduled Arming/Disarming	Support (Normal Schedule/Preferential Schedule)	
Partitions	8 Partitions, 1 Public Partition	
Detector Tamper-proof Alarm	YES	
SMS Alarm-Report Push	N/A	YES
Arming/Disarming via SMS Command	N/A	YES
Key Fobs	32	
Wireless Network Standard	N/A	GPRS
SIM Card Slot	N/A	1
SMA Antenna Interface	N/A	1
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 × 320mm × 86mm	
Weight	<3.5kg	

KEYPAD

DS-PK00-LCD
Keypad

DS-PK00M-LCD
Keypad with MIFARE Card Reader

RS485 INPUT EXPANDERS

DS-PM-RSI8
8 Input Expander

RF-RECEIVER

DS-PM-RSWR
RS485 Wireless Receiver

RS485 OUTPUT EXPANDERS

DS-PM-RS04
4 Output Expander

DS-PM-RS04-H
4 Output High Power Expander

DS-PM-RS08
8 Output Expander

DS-PM-RS08-H
8 Output High Power Expander

M-BUS

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 BUSES, up to 2.4km 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 keyfobs
- 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
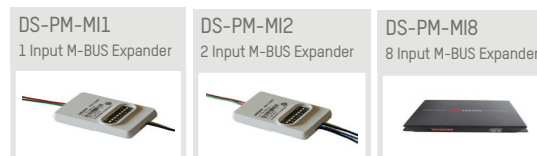
8 inputs control panel, PSTN+LAN

DS-19A08-01BNG

8 inputs control panel, PSTN+LAN+GPRS

Specifications	DS-19A08/01BN	DS-19A08/01BNG
Alarm Input	8 inputs on-board expandable to 256	
Alarm Output	4 outputs on-board and expandable to 256 (Capacity:30VDC/1A)	
Scheduled Output Rule	YES	
Siren Power Supply	12 VDC /750 mA	
PSTN	Support (1-ch)	
Auxiliary Power Output	12 VDC/1 A	
Supported Keypads (LCD)	32	
Tamper-proof Switch	1, Support Tampering Alarm	
Scheduled Arming/Disarming	Support (Normal Schedule/Preferential Schedule)	
Partitions	8 Partitions, 1 Public Partition	
Tampering Alarm Detector	Support 8 Local Zones	
SMS Alarm-Report Push	N/A	YES
Arming/Disarming via SMS Command	N/A	YES
Wireless Network Standard	N/A	GPRS
SIM Card Slot	N/A	1
SMA Antenna Interface	N/A	1
Communication		
Network Protocol	SADP and DHCP	
M-BUS	2 BUSES, up to 2.4km each (RVV2 x 1.5mm) without repeater	
Network Interface	1 RJ-45; 10M/100M Self-adaptive	
Keypad Interface	1 RS-485 Half-duplex	
Port for Accumulator	1, 12VDC/7Ah	
Printer Interface	1 RS-232 Information Output Interface	
Electrical Specifications		
Power Supply	220VAC	
Consumption	≤60W (Load Power ≤ 40W)	
Other Details		
Working Temperature	-10°C ~ + 55°C (14°F to 133°F)	
Working Humidity	10% ~ 90%	
Installation Mode	Wall-mounting	
Dimensions (L x W x H)	370mm × 320mm × 86mm	
Weight	<3.5kg	

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
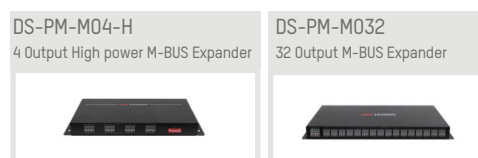
DS-PM-MR
M-BUS Repeater

RF-RECEIVER

DS-PM-RSWR
RS485 Wireless Receiver
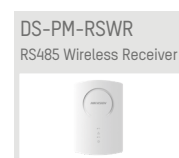
HIKVISION®

Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +6-032-7224000
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

www.hikvision.com

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