

DHI-ARC3008C

Security Control Panel



System Overview

This security control panel is a high performance anti-theft controller designed for the middle and small alarm solutions. It features high security and excellent stability with embedded Linux operating system and platform, so the system can run steadily with advanced controlling technology and strong data transmission ability. This product can work both independently and with professional app on mobile phone, which is convenient for remote viewing and alarm status controlling. An all-round security surveillance network is formed when the product works with professional alarm platforms, which can be widely applied for financial service centers, shops, villas, apartments, museums, libraries, office buildings and other security protection scenarios.

Technical Specification

| Port | |
|--------------|--|
| Alarm Input | 8 channels, can be expanded to 72 for zone alarm input |
| Alarm Output | 2 channels, can be expanded to 82 (channel 1–2: MOS outputs, channel 3–82: Relay outputs) |
| Network | 1 RJ-45 10M/100M self-adaptive Ethernet port |
| PSTN | One group of PSTN RJ-11 ports that support contact ID protocol (with PSTN module) 3 telephone numbers for monitor station (PSTN) |
| RS-485 | 2-channel RS–485 ports, support keyboard (A1B1) and expansion module (A2B2) access |
| 2G | Operating frequency: GSM850/GSM900/DCS1800/ PCS1900MHz |

- · 8 onboard wired zones
- · Supports 1-way siren control and 2-way MOS transistor outputs on the control panel
- · With the expansion module (consists of 8 input modules and 8 output modules), alarm input and alarm output channels are increased to 72 and 82 respectively
- · Outputs operation follows system events, zone events, area, link and scheduling programs
- · 1 case tamper port and 1 leave-wall tamper port for the control panel
- · 1 siren tamper input port
- · Up to 8 areas, and every area with 2 partitions
- · Up to 8 keypads
- · Up to 100 users with 8 authority levels for different users (Supervisor, Manager, Master, User, Temporary, Duress, Patrol, and Technician)
- · 1000 event logs
- · Supports more than 11 zone types
- · 7 sorts of zone terminations, including closed-circuit (NC), open-circuit (NO), end-of-line (EOL) resistors, double end-of-line (DEOL) resistors, triple end-of-line (3DEOL) resistors, inertial type for vibration detector and pulse type for roller shutter
- · Configurable zone resistance (2K7, 4K7, and 6K8)
- \cdot 2 RS-485 ports for keypad connection and extended connections
- · PSTN port for alarm event report, supporting CID (Contact ID)
- · 3 telephone numbers for monitor station (PSTN), 8 telephone numbers for vocal message, and 8 telephone numbers for SMS
- · GSM/GPRS/LTE network ports for events SMS reporting and remote control, events vocal message reporting by dialing and remote control, and mobile phone app connection ability when Ethernet connection failed
- · 10/100M self-adaptive Ethernet port
- · Supports abnormality alarm, including network disconnection alarm, PSTN fault alarm, tampering alarm, low battery alarm, battery loss alarm, power loss alarm, and keyboard fault alarm
- · In-field firmware upgradable
- \cdot App-based system control through DMSS
- · Arm and disarm areas with RFID cards
- · Supports customized access to third-party platforms with SIA

| 4G | LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B38/B40/B41 GSM/EDGE: B3/B8 |
|------------------------|---|
| Siren | 1 12V/1A siren output port |
| Battery | 1 12V/7Ah battery port |
| Auxiliary Power Output | 2 12V/1A AUX power output ports |
| Tamper | 1 case tamper port for the alarm control panel 1 leave-wall tamper 1 siren tamper input |



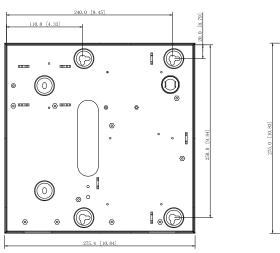
| Function | | |
|-------------------------|---|--|
| SMS Notification | Supports up to 8 telephone numbers for SMS and remote control (with 2G or 4G module) | |
| Phone Call Notification | Supports up to 8 telephone numbers for vocal message (with 2G or 4G module) | |
| Network Protocol | TCP/IP, DHCP, static IP, P2P | |
| Configuration Method | Keypad, client software | |
| Arm and Disarm Method | Keyboard, swipe card, DMSS App, SMS | |
| External Agreement | Supports customized access to the third parties by SIA | |
| Number of Keyboards | Max. 8 keypads | |
| Area | 8 areas | |
| Partition | Each area includes 2 partitions | |
| Timers | 8 timers, can be used for user authorization restrictions, output linkage control, automatic arming and disarming control, and more | |
| Power Management | Automatic switching between main power supply and backup power supply Alarm for main power loss Alarm for battery loss and battery voltage fault | |
| Event Logs | Max. 1000 | |
| User Management | Max. 100 users 7 user levels: Supervisor, Manager, Master, User, Temporary, Duress, and Patrol 1 TECHNICIAN | |
| Query | Query for zone fault, system fault, program version, and signal strength | |
| Language | English, Italian | |
| Арр | DMSS App | |
| RFID Card | Arm and disarm by swiping card (With ASR1101A/ASR1101A-D) | |

General

| Main Power | Input: 110-220V AC, 50/60Hz Output: 14.5V DC 2.7A | |
|-----------------------|--|--|
| Standby Power | 12V DC/7Ah lead-acid battery | |
| Power Consumption | Max. 35W | |
| Operating Temperature | -10°C to +50°C (14°F to 122 °F) | |
| Operating Humidity | 10%-90% (RH) | |
| Product Dimensions | 275.0 mm × 275.0 mm × 77.0 mm (10.83" × 10.83" × 3.03") (L × W × H) | |
| Installation | Wall mount | |
| Net Weight | ≤3 kg (6.61 lb) | |
| Certification | CE: 4789104635 | |

| Ordering Information | | | | |
|------------------------|---------------|------------------------|--|--|
| Туре | Model | Description | | |
| Alarm Controller | DHI-ARC3008C | Security Control Panel | | |
| Accessories (Optional) | DHI-ARK30C | Keypad | | |
| | ARA58-P | PSTN Module | | |
| | ARA58-G-IT | Italian 2G Module | | |
| | ARA58-G-EN | English 2G Module | | |
| | ARA58-F-EN | English 4G Module | | |
| | DHI-ARM808-RS | Alarm input Module | | |
| | DHI-ARM708-RS | Alarm output Module | | |

Dimensions (mm/inch)





Application

