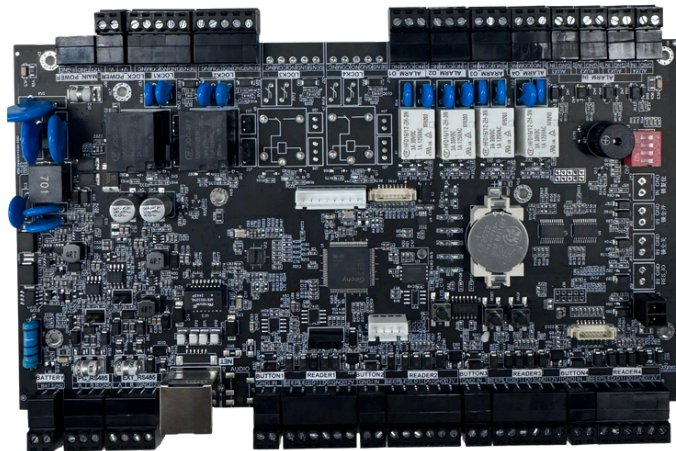
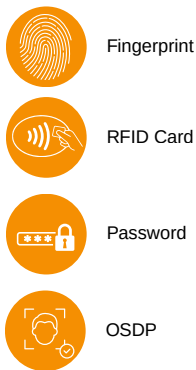


## Q-AC02 / Q-AC04 2-Door & 4-Door Intelligent Controllers



### Product Description

The Quant Q-AC02 and Q-AC04 are intelligent access control controllers designed for medium to large-scale security applications, delivering reliable and flexible access management.

The controllers support powerful linkage functions, including alarm linkage, video linkage capture, and fire alarm integration, enabling seamless interaction with other security and safety systems.

With a power failure self-check mechanism, the system ensures that access data and configuration remain intact and undamaged even during unexpected power outages.

The Q-AC series incorporates anti-static, pulse group, and surge protection circuits, effectively preventing electrical interference and enhancing long-term system stability.

A built-in real-time clock chip and watchdog mechanism ensures continuous operation and prevents system crashes.

The controllers support multi-card combination door opening, with arming and disarming available through passwords, fingerprints, card authentication, system linkage, and software-based time scheduling.

The system supports connection to a wide range of Wiegand card readers, RS-485 card readers, and biometric front-end devices, providing flexibility for different project requirements.

Advanced security features include intelligent linkage, anti-passback / anti-tailgating interlock, anti-tamper alarms, encrypted communication, remote management, multi-level authorization, as well as support for electronic maps and voice broadcast.

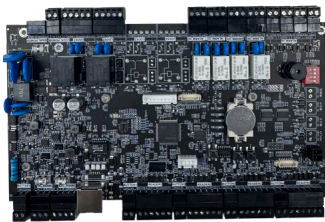
### Q-AC02 / Q-AC04 2-Door & 4-Door Intelligent Controllers

## Q-AC - Access Door Controller

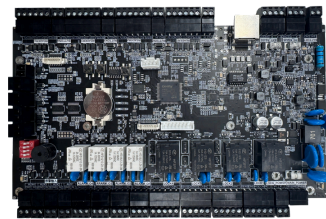
 3 Years Warranty

### Technical specifications

#### Q-AC02 - 2 Door Controller



#### Q-AC04 - 4 Door Controller



### Platform

**Processor:** 32-bit Industrial MCU

**Operating System:** Embedded Firmware

### Database

**Cardholder Capacity:**  $\geq 100,000$

**Event Capacity:**  $\geq 300,000$

**Access Levels:** Multi-level

**Holiday Schedules:** Supported

**Time Zones:** Supported

**Card Formats:** Wiegand W26 / W34

**Real Time Clock:** Time zone & leap year supported

**Alarm:** Unlock and Enforce

**Database Support:** Access and SQL

**Dimension** 215mm x 135mm x 20mm and **Weight** 500g

### Basic

**Anti-Passback:** Local / Global

**Authentication:** Card only / PIN / Card + PIN / Biometric

**Firmware Upgrade:** Remote & batch upgrade supported

## Q-AC - Access Door Controller



### Panel

#### 2 Door-Controller

**Reader:**  
2 × Wiegand / RS-485  
**Reader Distance:**  
Up to 150 m

**Lock Control:**  
2 × Relay (NO/NC/COM)

**Auxiliary Output**  
2 × Relay (NO/NC/COM)

**Door Contact Input**  
2 × Supervised

**Door Contact Input**  
2 × Supervised

**Exit Button Input**  
2 × Supervised

#### 4 Door-Controller

**Reader:**  
4 × Wiegand / RS-485  
**Reader Distance:**  
Up to 150 m

**Lock Control:**  
4 × Relay (NO/NC/COM)

**Auxiliary Output**  
4 × Relay (NO/NC/COM)

**Door Contact Input**  
4 × Supervised

**Door Contact Input**  
4 × Supervised

**Exit Button Input**  
4 × Supervised

**Enclosure Tamper:** 1 × Dry Contact

**Fire Alarm Input:** Supported

**Reader Power:** 12VDC

### COMMUNICATION

**Ethernet:** 1 × RJ45, 10/100 Mbps

**Downstream Bus:** 1 × RS-485

**Protocol:** TCP/IP, RS-485

**Encryption:** Supported

## Q-AC - Access Door Controller

 3 Years Warranty

### POWER

**Input Power:** 12VDC  $\pm$ 15%

**Lock Power Output:** Supported

**Backup Battery:** 12V Lead-Acid (7Ah / 9Ah optional)

**Protection:** Over-current, surge, anti-static

### ENCLOSURE & ENVIRONMENT

**Installation:** Wall-mounted

**Operating Temperature:** -15°C to +55°C

**Operating Humidity:** 10% – 93%, non-condensing

### CERTIFICATION

CE | IEC | RoHS

**Country of Origin:** Malaysia

### ORDERING INFORMATION

**Q-AC02:** Quant 2-Door Intelligent Access Control Controller

**Q-AC04:** Quant 4-Door Intelligent Access Control Controller