



Kantech KT-4



Optional Wi-Fi or POE++

Wi-Fi or POE++ connection for convenient connectivity



Offline Mode

100,000 cards and 60,000 stored events in Offline Mode



End-to-end encryption

Using Kantech's ioSmart reader and smart card



Double and triple swipe

Activate relay, arm alarm system, lock/unlock doors



Configurable in different modes

Provides advanced access control when used with EntraPass Security Management Software or basic door security in Standalone Mode



Data integration

Integrates with multiple intrusion alarm panels

KT-4 Encrypted 4-Door Controller using EntraPass

KT-4 Encrypted 4-Door Controller using EntraPass can be configured in two user-friendly operational modes. KT-4's Standalone Mode offers basic door security using a simple web browser without the need to connect to a host system. Alternatively, KT-4 can be used with the powerful EntraPass Security Management Software to provide more advanced and fully integrated access control features.

The KT-4 four-door controller is a cyber-resilient and easy-to-use networked access control solution with support for up to eight ioProx XSF and ioSmart readers/cards (4 doors IN/OUT control) combining with EntraPass security management to create a highly scalable solution deployable over multiple locations. The KT-4 has an on-board ethernet port that connects to existing network infrastructure and leverages the benefits of IP-based systems with a 128-AES encryption with EntraPass. Once connected the controller only communicates with that instance of EntraPass. Optionally add WI-FI to the KT-4 to be able to secure doors further where Ethernet is not available. Furthermore, the optional PoE module provides PoE / PoE+ /PoE++ power for the KT-4 powering the readers and locks.

Built-In Expansion

The KT-4 allows expansion modules to add up to 256 inputs or to add up to 256 outputs such as relays and drain outputs. The KT-4 has an onboard capability of monitoring 16 input zones. Inputs can be configured from no End-of-line resistors to using single or double EOL resistors which allows to monitor more states associated with a customer's installation, significantly increasing the level of security. The KT-4 Ethernet four-door controller supports elevator interfacing with the addition of expansion modules such as the KT-MOD-REL8, KT-MOD-INP16, KT-MOD-OUT16 and KT-MOD-IO16.

Removable Terminal Blocks

To expedite installation and facilitate serviceability, KT-4 features removable terminal blocks that are simple to connect and are color-coded for quick identification.

Built-in Web Configuration

The web configuration page is accessible through any browser. It can be used to verify and configure the IP settings of the KT-4. For enhanced security, once the KT-4 is configured, the web configuration page can no longer be accessed; changes can be made to its associated EntraPass software.

Low Bandwidth Consumption

The EntraPass software monitors events occurring at the doors by polling the KT-4 door controllers. EntraPass only communicates with the KT-4 if an event has occurred. Communication integrity is ensured through a heartbeat signal which is sent at regular intervals to the EntraPass system. This asynchronous communication significantly reduces the amount of bandwidth required to manage the access control system over the network. If there is a communication failure between EntraPass and the KT-4, an alarm will be triggered in the EntraPass system.

Supervised Lock Power

There are four supervised door lock outputs with an internal power supply (12 VDC). In addition, an external power supply (12 VDC – 24 VDC) may also be used to provide power to the lock outputs. This eliminates the need for additional relays. The lock outputs will still be supervised by the KT-4.

Alarm Panel Integration

DSC MAXSYS, PowerSeries, PowerSeries Neo and PowerSeries Pro intrusion alarm panel data integration can be accomplished by connecting it to the KT-4 controller. Using the KT-4; EntraPass can receive intrusion events, view the status of zones and partitions with the use of the virtual keypad perform programming changes like users' codes. In addition, the system can be armed/disarmed (single or multiple partitions) via the reader or manual operation from the workstation.

KT-4 Standalone - One Combined Hardware and Web-based Software Solution

Ideal for sites that only need basic door security, the KT-4 four door/reader controller features an embedded web server which enables it to operate in a Standalone Mode – meaning no EntraPass software is required. With no extra security software to purchase and install, the KT-4 Standalone provides a cost-effective, yet feature-rich alternative for four-door security. Manage and configure your four-door security from anywhere, using a desktop or mobile device. KT-4 Standalone offers the ultimate simplicity in access control installation by using the quick set-up configuration wizard.

KT-4 is optimized for communication with EntraPass v8.71 and higher. KT-4 is compatible with previous EntraPass versions supporting the KT-400 rev1. Controller features vary based on the specific EntraPass versions. KT-4 firmware update requires EntraPass v8.71. Integrations such as DSC and Aperio are not compatible with EntraPass v8.6x and lower. Contact your sales rep for integration availability.

Specifications

| Type | Description |
|--|--|
| AC Power Input Transformer class 2 | 16 or 24 VAC 74VA |
| DC Power Input | 24 VDC +/- 20% at 3.5 A |
| PoE/PoE+/ PoE++ | 12.5 W/22.5 W/52 W |
| Operating temperatures | For UL listed installations: 0°C to 49°C (32°F to 120°F) indoor use only |
| Humidity level | 85% relative humidity non-condensing |
| Cabinet dimensions, Height x Width x Depth | 37.59 cm x 30.48 cm x 12.57 cm (14.8 in. x 12 in. x 4.95 in.) |
| Weight | KT-4: 4.0 kg (8.82 lb) |
| Reader types | OSDP, Kantech RS-45, Wiegand, proximity, ABA Clock and Data, bar code, magnetic, integrated keypad, and smartcard |
| Reader power output | 12 VDC at 500 mA maximum each, protected and supervised |
| Monitored points (zone inputs) | 16 monitored points (Z1 to Z16), NO/NC without EOL (DRY), single EOL, double EOL and 1 fixed-function tamper input |
| Points maximum wiring | AWG #22-600 m (2000 ft) For the relevant reader's maximum wiring specifications, refer to the reader's installation manual |
| Door strike power supervised | <ul style="list-style-type: none"> • 500 mA each or 2 A total for the KT-4 using AC power 75 VA or PoE++ 60 W • 1 A each or 4 A total for the KT-4 (JP4 on EXT) |
| Auxiliary reader outputs | Four LEDs and four buzzers (BUZ) for each individual door, 25 mA maximum each, open collector outputs |
| Relay controlled outputs | 4 onboard Form C relays, 30 VDC, 3 Amps each, 0.6 power factor |
| Communication ports | 1 x RS-232 with RJ-12, 2 x RS-485, 1 x Ethernet 10/100/1000 Base-T with RJ-45, Wi-Fi Note: Use the RS-232 for integrations, with a maximum cable length of 3 m (10 ft) |
| Wi-Fi specifications with optional module | Station mode wireless 802.11 b/g/n (2.4/5 GHz) Access point wireless 802.11 n (2.4/5 GHz) |
| Network type | IEEE 802.00 b/g/n (Wireless LAN) |
| Frequency/ Max. E.I.R.P. | 2.412-2.472 MHz / ETSI 100 mW, FCC 1 W 5.180-5.825 MHz |
| Expansion port | 1 x SPI 6-pin connector, bidirectional data exchange supported. Supplies 12 VDC, shared with 12 VDC auxiliary port |
| Auxiliary power | 1 x auxiliary 12 VDC, 500 mA maximum shared with SPI expansion port |
| Communication speed | 1200 to 115200 Bauds (automatic detection) over RS-485 10/100/1000 Mb/s BaseT over Ethernet 33 Mb/s over Wi-Fi |
| Flash memory | Pseudo single cell 5G eMMC NAND flash for application, storage and standalone event buffer holding 60,000 events |
| RAM memory | 512 MB DDR3 for application loading and running |
| Network autonomy | Distributed data and processing |
| Certifications/ listing | FCC Part 15.247, SQG-60SIPT FCC compliant to CFR 47, Part 15, Subpart B, Class B Class A UL 294, UL 2610, and ULC/ORD-C1076 IC: 3147A-60SIPT. ICES-003 (A)/NMB-003 (A) CE RCM UKCA EN61000-6-1, EN61000-6-2, EN55032, EN62368-1, EN50130-4 RohS WEEE |
| AES Encryption | NIST compliant |

Standalone Mode Parameters

| Function | Limit |
|-----------------------------|---|
| Cardholders | 2,000 (1,000 with image/ 1,000 without image) |
| Door Access | Per door, per user |
| Card Families or Site Codes | Unlimited |
| Events | 60,000 (Offline Mode) |
| Operators | 2 (Installer, Operator) |
| Schedules | 20 (5 intervals) |
| Holidays | 25 |
| Action Scheduler | 100 |
| Monitored Points (Inputs) | 16 |
| Auxiliary Outputs | 12 |
| Browsers | Safari, Google Chrome, Mozilla Firefox, Internet Explorer, Microsoft Edge |
| Mobile Operating Software | iOS, Android (No native app) |

| | |
|------------------|---|
| Integrations | Basic intrusion via relays |
| Upgrade Path | EntraPass/hatrix |
| Languages | English, French, Spanish, Italian |
| Firmware version | KT-4 Standalone v3.03 and higher on KT-4 (Subject to firmware upgrade fees) |

Ordering Information

KT-4

| Model Number | Description |
|--------------------------|--|
| KT-4 | KT-4 PCB, accessory kit and metal cabinet with lock and keys |
| KT-4-PCB | KT-4 PCB and accessory kit |
| KT-4-WIFI | KT-4 PCB with WiFi, accessory kit and metal cabinet with lock and key |
| KT-4-PoE | KT-4 PCB with PoE, accessory kit and metal cabinet with lock and key |
| Expansion Modules | |
| KT-MOD-INP16 | 16-zone input module with 41 cm (16 in) SPI cable |
| KT-MOD-REL8 | 8-relay outputs module with 41 cm (16 in) SPI cable |
| KT-MOD-OUT16 | 16-zone output module with 41 cm (16 in) SPI cable |
| KT-MOD-IO16 | RS-485 Input/Output Module; compatible with KT-4 and KT-1 controllers |
| KT-MOD-PoE | PoE, PoE+ and PoE++ module add-on for KT-4-PCB |
| KT-MOD-WiFi | WiFi module and antenna add-on for KT-4-PCB |
| Accessories | |
| KT-MOD-SPI-16 | SPI cable 41 cm (16 in) |
| KT-MOD-SPI-36 | SPI cable 92 cm (36 in) |
| KT-ACC | Accessory Kit: resistors (4x 1K Ω , 32x 5.6K Ω), ground wire, battery connector and screwdriver |
| KT-4-CAB | Black metal cabinet with lock and keys |
| KT-MOD-CAB | Cabinet for up to 6 expansion modules, including lock, keys, and 92 cm (36 in) SPI cable |
| KT-TAMPER | Tamper switch |
| KT-LOCK | Cabinet lock and 2 keys |
| KT-CON | Removable terminal block |
| Power Supplies | |
| TR1675 | Wire-in transformer, 110 VAC/ 16.5 VAC (7 VA), UL approved |
| KT-BATT-12 | Gel cell battery, 12 V, 7 Ah |
| KT-BATT-1212 | Gel cell battery, 12 V, 12 Ah |

KT-4 Starter Kits

| Model Number | Security Software | Controller(s) | Reader(s) | Other Items |
|--------------|-----------------------------|---------------|---------------|--|
| SK-CE-4-SCM | EntraPass Corporate Edition | KT-4 | KT-MUL-SC (4) | TR1675 transformer (1), KT-BATT-12 battery (US and Canada) |
| SK-CE-4-SCSG | EntraPass Corporate Edition | KT-4 | KT-SG-SC (4) | USB-485 converter (1), TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |
| SK-SE-4-SCM | EntraPass Special Edition | KT-4 | KT-MUL-SC (4) | USB-485 converter (1), TR1675 transformer (1), KT-BATT-12 battery (1), MFP-2KSHL smart cards (5) (US and Canada) |

KT-4 Expansion Kits

| Model Number | Controller | Reader | Other Items |
|--------------|------------|---------------|--|
| EK-4-MTM | KT-4 | KT-MUL-MT (4) | TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |
| EK-4-MTSG | KT-4 | KT-SG-MT (4) | TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |
| EK-4-SCM | KT-4 | KT-MUL-SC (4) | TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |
| EK-4-SCSG | KT-4 | KT-SG-SC (4) | TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |
| EK-4 | KT-4 | | TR1675 transformer (1), KT-BATT-12 battery (1) (US and Canada) |

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Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.

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