

## KT-1 Ethernet-Ready, One Door Controller

### Features That Make a Difference:

- Supports 2 readers (entry and exit)
- Single touch-sensitive button for fast controller enrollment
- Plug & play installation
- Interchangeable connections for easy install or replacement
- Flexible power input – Power over Ethernet (PoE), PoE+ or 12 VDC
- Compact and attractive design – install it anywhere
- Built-in electronic tamper
- Choose from single gang mount (model KT-1) or cabinet mount (KT-1-PCB) installation options
- Compatible with existing Kantech controllers including KT-300 and KT-400
- Compatible with EntraPass Security Management Software v6.02 or higher



KT-1



KT-1-PCB

### One Touch

The KT-1 controller features a touch-sensitive button for plug and play installation. Simply provide an IP connection, push a single button and you're done. There is no need to manually enter MAC/Serial numbers. With its innovative single button programming, the KT-1 is automatically detected and enrolled onto the EntraPass security management software (v6.02 and higher).

With its Ethernet port for direct network connection, its Power over Ethernet capabilities and its unique single button programming, the KT-1 controller is up and running in just a few simple steps.

### Head IP Controller Function

A single KT-1 can act as a 'head IP controller', linking together 31 additional controllers under one IP connection in EntraPass. This significantly reduces the amount of IP connections required to EntraPass and reduces programming time on the software. Thus creating installation cost benefits and a highly scalable solution.

### Alarm Panel Integration

DSC PowerSeries (including NEO) or MAXSYS alarm panel data integration can be accomplished by connecting it to the KT-1 controller (KT-1-PCB model only). Using this controller; EntraPass Special, Corporate or Global Editions are able to receive intrusion events, view

the status of zones and partitions, and program users' code. In addition the system can be armed/disarmed (single or multiple partitions) via the reader or manual operation from the workstation.

### Secure and Efficient Network Communication

The KT-1 is compatible with EntraPass software and uses 128-bit AES encryption to ensure secure communication. It also acts as a polling device to ensure the controllers communicate with EntraPass only as required, reducing network traffic. Flexible options allow KT-1 to connect to EntraPass via:

- On-board IP (Ethernet) port
- RS-485 (COM1) port for communication between the EntraPass Gateway/Kantech Network Communication Controller (KT-NCC) and KT-300/KT-400 door controllers



Combine the new KT-1 controller with EntraPass security management software and the EntraPass Web and Go mobile applications to create an innovative solution that installs quickly, can be managed remotely and provides a superior user experience.

## Physical

### KT-1

Plastic Housing Dimensions  
(H x W x D) . . . . . 12.9 x 8.6 x 4.6 cm (5.1 x 3.4 x 1.8 in)  
Weight . . . . . 305 g (10.8 oz)

### KT-1-PCB

Dimensions (H x W x D) . . . . . 13.8 x 12.1 x 4.8 cm (5.4 x 4.8 x 1.9 in)  
Weight . . . . . 395 g (13.9 oz)

## Environmental

Operating Temperature . . . . . 2° to 40°C (35° to 104°F)  
Operating Humidity . . . . . 0% to 95% non-condensing

## Electrical

KT-1/KT-1-PCB Power Input . . . 12 VDC / PoE / PoE+, 2.2 A  
Reader Power Output . . . . . Maximum 0.5 A @ 12 VDC, typical 250mA per reader, protected and supervised  
Lock Device Power . . . . . 12VDC, typical 750mA supervised (PoE+ & 12vdc power input) & 12VDC, typical 250mA supervised (PoE)

## Operational

One Button Enrollment . . . . . Capacitive touch-sensitive button  
Reader Types . . . . . Wiegand, proximity, ABA clock and data, bar code, magnetic, integrated keypad, smart card, RS-485 (Kantech Protocol)

Number of Cards in Stand-Alone Mode . . . . . 100,000 (KT-1 and KT-1-PCB)  
Monitored Points (Inputs) . . . . . 4 monitored points, single EOL, double EOL (Independently programmable)  
Reader Outputs . . . . . LED and buzzer (25 mA maximum each, open collector outputs)  
Auxiliary Outputs . . . . . OUT3 and OUT4 (25 mA each, open collector outputs)  
KT-1 Controlled Output Relay . . . 2 controlled output relays, 12 VDC, 25 mA each, open collector (optional relay KT-RM1 also available)

KT-1-PCB Controlled Output Relay (R1, R2) . . . . . 2 onboard form C controlled outputs relays, 30 VDC, 3 A max each  
Communication Ports . . . . . RS-485, Ethernet 10/100Base-T with RJ-45  
Expansion Port . . . . . RS-485  
Auxiliary Port . . . . . Auxiliary 12 VDC, 500 mA maximum  
Communication Speed . . . . . Up to 115,200 baud (automatic detection over RS-485); 10/100Base-T over Ethernet  
Flash Memory . . . . . 256 MB for application and data storage (configuration and events can reside for a minimum of 10 years without power)  
RAM . . . . . 128 MB for application loading and running  
Network Autonomy . . . . . Distributed data and processing

## Model Numbers

KT-1 . . . . . Ethernet-ready, one door controller, single gang mount  
KT-1-M . . . . . Ethernet-ready one door controller (KT-1-PCB) and metal cabinet (KT-1-CAB-M)  
KT-1-PCB . . . . . Ethernet-ready, one door controller, cabinet mount

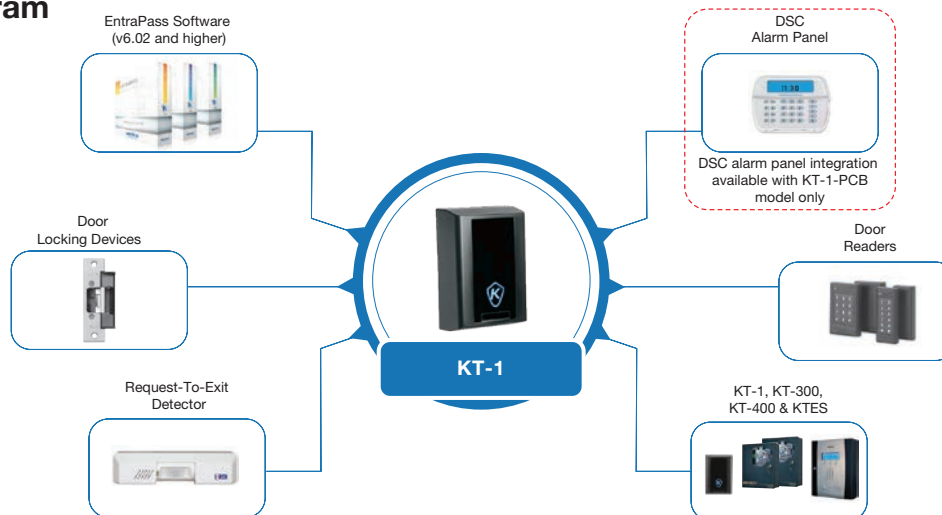
## Accessories

KT-1-CVR . . . . . Black plastic replacement cover, fits KT-1 and KT-1-PCB  
KT-1-CAB-M . . . . . Black metal cabinet, fits KT-1-PCB (H x W x D) 29.9 x 28.8 x 7.7 cm (11 3/4 x 11 3/8 x 3 in)

## Regulatory

EN60839-11-1 Grade 1, EN50130-4:2011, EN55022, EN60950, FCC  
UL, UL-294, UL-1076  
IC, NMB-003, C-Tick  
CE

## System Diagram



## Related Products



DSC Alarm Panels



ioProx Readers



Illustra IP Cameras



Entrapass Security Software

## Approvals



[www.kantech.com](http://www.kantech.com)