

KT-1 Ethernet-Ready, One Door Controller

Features That Make a Difference:

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



KT-1



KT-1-PCB

One For All

Find a door, provide an IP connection, push a button and you're done. It's that simple. With its single button enrollment, the KT-1 controller is up and running in just a few easy steps. The KT-1 controller is perfect for applications such as:

- IP centric buildings
- Buildings with large footprints
- Systems with remote sites

Combine the new KT-1 controller with EntraPass security management software (v6.02 and higher), including EntraPass Web and the EntraPass Go mobile app to create a highly scalable solution that installs quickly and provides a superior user experience.

Head IP Controller Function

The head IP controller is the first in line to communicate with the EntraPass Gateway. Other IP controllers communicate through the head IP controller. This significantly reduces the IP connections to EntraPass and reduces programming time on the software.

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



KT-1 is compatible with EntraPass Go mobile app and EntraPass Web application. Remotely manage the most common security tasks.

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

Operational

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

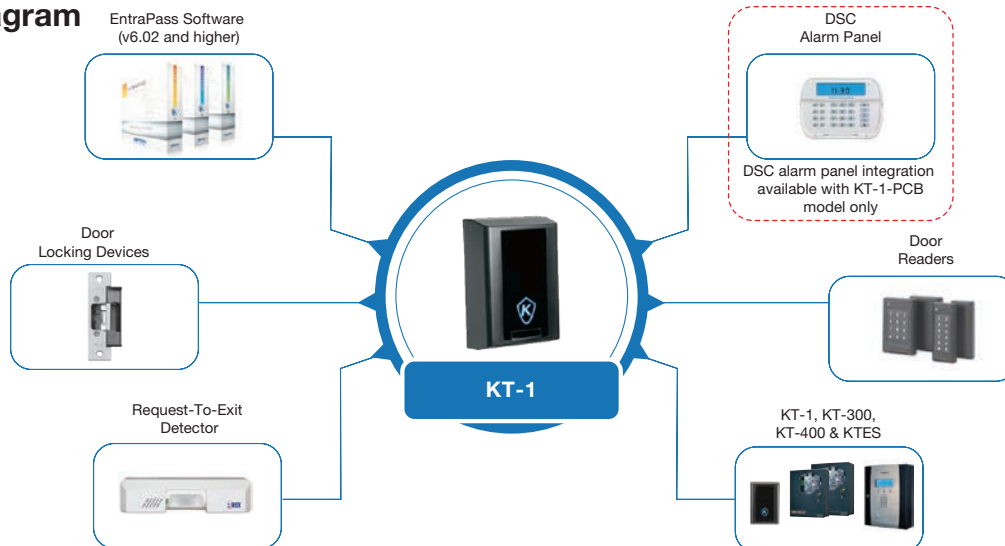
KT-1-CVR Black plastic replacement cover, fits KT-1 and KT-1-PCB

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