

IP-Link



Network Connection Made Easy

Combine The Kantech IP Link (KT-IP) is an RS-232 to TCP/IP interface that connects KT-100 or KT-300 door controllers to a network. It reduces cabling, and gives the controllers real-time access to information and enhanced functionality by leveraging the bi directional communications capabilities of TCP/IP. KT-IP integrates seamlessly into an existing TCP/IP network and requires no changes to existing equipment, network, or systems. The KT-IP is compatible with EntraPass security management software and uses 128-bit AES encryption to ensure secure communication.

The data transfer from the controller is asynchronous to the actions on the TCP/IP network. The KT-IP manages polling of door controllers and communicates with the EntraPass Multi-Site Gateway only when an event has occurred. Communication integrity is ensured through a heartbeat signal, which is sent at a regular interval to the EntraPass software. This asynchronous communication significantly reduces the amount of bandwidth required to manage your access control system over the network.

The KT-IP is easy to set up. Use an EntraPass workstation, a web browser or the KT-Finder, an intuitive standalone application designed to locate and configure the KT-IP. In most installations, EntraPass software automatically detects and configures the KT-IP using the MAC address.

Features That Make a Difference

- Powerful connection between Kantech KT-300 controllers and TCP/IP network applications
- Allows Kantech controllers to interface easily with other TCP/IP protocol compatible devices
- 10/100 Base-T Ethernet compatible interface
- RJ45 connector allows direct connection to CAT5 network cabling
- RS-232 port allows any Kantech controller with a serial port to be networked together using Ethernet networking
- Cost-effective solution for managing multiple remote sites
- Communicates over the network only as required, keeping network traffic down to a minimum
- Plug and play setup makes it quick and easy to use with EntraPass security management software
- Supports up to 32 door controllers per device

Specifications

Physical	
Weight	
KT-IP	0.6 kg (1.3 lbs)
KT-IP-PCB	0.18 kg (0.4 lbs)
KT-IP=CAB	1.81 kg (4.0 lbs)
Dimensions	
KT-IP	26.7 x 9.5 x 3.12 cm (10.5 x 3.72 x 1.23 in)
KT-IP-PCB	22 x 8.30 x 2.5 cm (8.66 x 3.25 x 1.0 in)
KT-IP=CAB	28.4 x 29.7 x 7.8 cm (11.2 x 11.7 x 3.1 in)
Communication Ports	RJ-45 Ethernet 10/100Base-T and RS-232
Communication Speed	Up to 115200 baud for serial communication
Flash ROM	2 MB
RAM	8 MB
Compatibility	KT-100 and KT-300 door controllers
Number of KT-IP	Up to 512 KT-IP per Multi-Site Gateway Up to 64 IP Links per EntraPass Special Edition
Operational	
EntraPass	Version 4.0 and higher
Environmental	
Operating Temperature	0°C to 49°C (32°F to 122°F)
Humidity	0 to 85% non-condensing, indoor use only
Electrical	
DC Power Input	12 VDC
Input Current	Max: 175 mA, Typical: 125 mA
Regulatory	
Compliance	FCC Part 15 Class A, EN55022 (CISPR22), EN55024, CE, C-Tick
Certifications	UL294
Environmental	RoHS, WEEE

Ordering Information

Model	Description
KT-IP	IP Link to RS-232 module with enclosure including ground wire, plastic stand off, cable/connector. 12VDC
KT-IP-PCB	IP Link to RS-232 PCB module including ground wire, plastic stand off, cable/connector. 12VDC
KT-IP-CAB	Metal cabinet for KT-IP-PCB

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.kantech.com or follow Kantech on LinkedIn, Twitter and Facebook.

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KT0332-DS-202008-R02-HS-EN