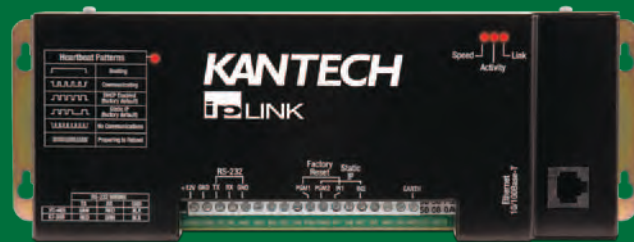# KANTECH
From Tyco Security Products

Kantech IP Link

Features That Make a Difference:

- Powerful connection between Kantech KT-100 and 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

- Compatible with EntraPass Special, Corporate and Global Editions (Global Edition with Multi-Site Gateway only)

Network Connection Made Easy

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.

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

Model Numbers

KT-IP . . . . .IP Link module with wall mount
enclosure and accessories (ground
wire, plastic stand off, cable/connector)
KT-IP-PCB. .IP Link module PCB only with
accessories (ground wire, plastic
stand off, cable/connector)
KT-IP-CAB. .Metal cabinet for KT-IP-PCB

System Diagram

IP Module & RS-485 Converters

EntraPass Software

KT-100/KT-300 Controllers

Door Readers

Request-To-Exit Detector

Door Locking Device

Related Products

KT-100/KT-300
Door Controllers

EntraPass Security
Software

VC-485
RS-232 to RS-485 Converter

Approvals

www.kantech.com