

# TCP CONV 2

## USB/RS232-ETHERNET CONVERTER



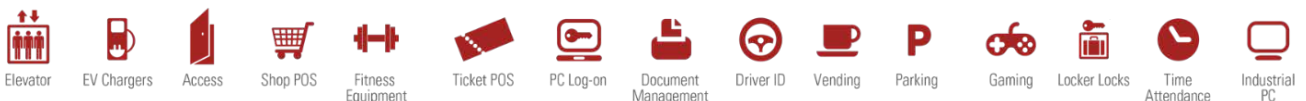
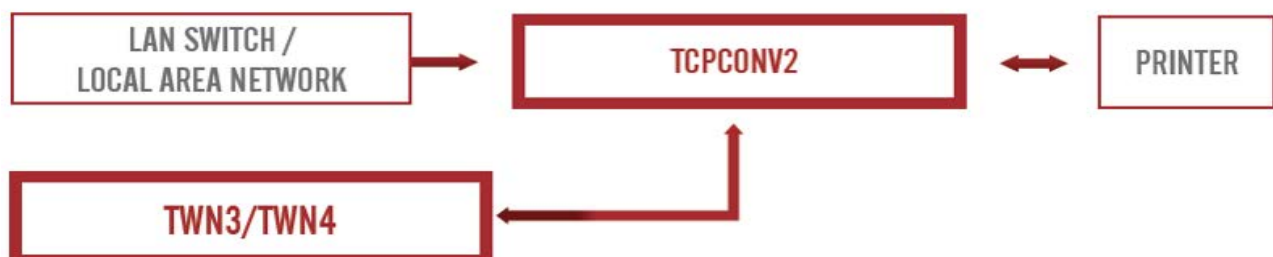
The Elatec TCPConv 2 enables card based features (such as authentication and pull printing) on devices that do not have support for the direct connection of a USB proximity card reader (i.e. single function printers).

The card reader connects directly to the TCPConv 2, which is connected to the printer. When a card is swiped, the TCPConv 2 sends the card data directly to the authentication server. In this way, the card data completely bypasses the single function printer. As a result, the TCPConv 2 can work with network printers from any printer manufacturer.

1. Typical printer connected to a Local Area Network:



2. Example of integration of printer together with RFID reader and TCPConv 2 in a Local Area Network:



## TECHNICAL DATA

HOUSING	ABS UL94-V0
DIMENSIONS (L X W X H)	95 mm x 95 mm x 25 mm
POWER SUPPLY	External power supply 5 V
CURRENT CONSUMPTION	Max. 3 A depending on external load
TEMPERATURE RANGE	Operating: 0°C to +45°C (32°F to 113°F) Storage: -40°C up to +85°C (-40°F up to +185°F)
RELATIVE HUMIDITY	10% to 90% non-condensing
TRANSMISSION SPEED	10 Mbit/s, 100 Mbit/s
MODES OF OPERATION	TCP Server: Device is connected by a TCP client. TCP Client: Device connects automatically to a specified TCP server. Connection may be triggered by incoming flow of data on either the USB or RS-232 port. For additional security the connection can be optionally SSL encrypted.
LAN COMMUNICATION PROTOCOLS	TCP, IPV4, DHCP, SSL, Syslog
USB	Type: 2.0 (One OTG and one Host) Maximum current: Mini-USB: 1.5 A, USB-A: 0.5 A, RS232: 0.5 A Supported devices: Elatec TWN3 or TWN4 transponder readers/writers; all HID keyboard/CDC devices
RS232	Baudrate: Configurable 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115200 baud Databits: 7 or 8 bits Parity: None, even or odd parity Stopbits: 1 or 2 Maximum current: 0.5 A
CONNECTORS	Ethernet: 2 x RJ45, 10/100BaseT USB: 1 x USB-A receptacle, 1 x Mini USB RS232: 1 x DSUB-9 Power: For plug 5.5 mm/2.1 mm
MEMORY	RAM: 128 MB Flash: 2 GB
MTBF	500,000 hours
WEIGHT	Approx. 270 g
CERTIFICATIONS	RoHS-II compliant, CE, FCC, IC
ORDER CODE(S)	TC2K-BT2EU: TCPCConv 2 Kit with 0.5 m patch cable (RJ45) and power supply EU TC2K-BT2US: TCPCConv 2 Kit with 0.5 m patch cable (RJ45) and power supply UK TC2K-BT2AUS: TCPCConv 2 Kit with 0.5 m patch cable (RJ45) and power supply US TC2K-BT2UK: TCPCConv 2 Kit with 0.5 m patch cable (RJ45) and power supply AUS TC2K-BT2JP: TCPCConv 2 Kit with 0.5 m patch cable (RJ45) and power supply JP

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