

# TCPCONV 2

## USB/RS232 ETHERNET CONVERTER



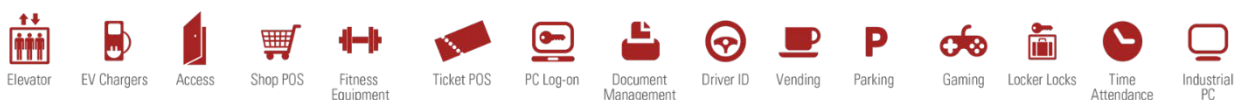
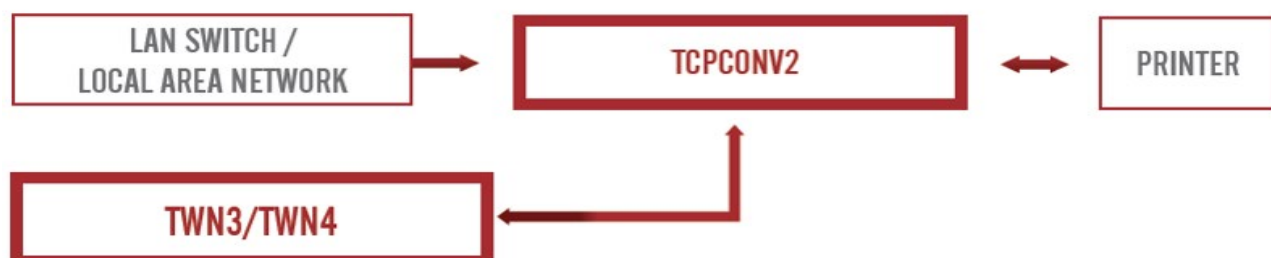
The ELATEC TCPCConv 2 enables card-based features (such as authentication and pull printing) on devices that do not have support for the direct connection of a USB proximity card reader (i.e. single-function printers).

The card reader connects directly to the TCPCConv 2, which is connected to the printer. When a card is swiped, the TCPCConv 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 TCPCConv 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 TCPCConv 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 / 3.74 inch x 3.74 inch x 0.98 inch
POWER SUPPLY	External power supply 5 V Limited power source according to IEC 60950-1 or PS2 classified IEC 62368-1, short-circuit current < 8 A
CURRENT CONSUMPTION	Max. 3 A depending on external load
TEMPERATURE RANGE	Operating: 0 °C up to +45 °C (+32 °F up to +113 °F) Storage: -40 °C up to +85 °C (-40 °F up to +185 °F)
RELATIVE HUMIDITY	10% to 90% non-condensing
OPERATING MODES (USB)	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 RS232 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
TRANSMISSION SPEED	10 Mbit/s, 100 Mbit/s
CERTIFICATION NAME	TCPCov 2
CERTIFICATION(S)	CE/RED, EAC, FCC, IC, REACH and RoHS-III compliant
ORDER CODE(S)	TC2K-BT2EU      TCPCov 2 Kit with 0.5 m patch cable (RJ45) and power supply EU* TC2K-BT2US      TCPCov 2 Kit with 0.5 m patch cable (RJ45) and power supply US* TC2K-BT2AUS      TCPCov 2 Kit with 0.5 m patch cable (RJ45) and power supply AUS* TC2K-BT2UK      TCPCov 2 Kit with 0.5 m patch cable (RJ45) and power supply UK* TC2K-BT2JP      TCPCov 2 Kit with 0.5 m patch cable (RJ45) and power supply JP*

\* Please also refer to the power supplies data sheet(s).

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