

TCP CONV

USB/RS232 ETHERNET SWITCH



TCPConv

The main purpose of the TCP converters is to enable RFID authentication and access control for devices that lack a USB port, from older single function printers to industrial robotics.

TCP converters can be connected on one end to a Local Area Network (LAN) and on the other end to a RFID reader via USB cable. When the user presents a card to the reader, the information is sent over the network to a local server and depending on the response, a print job can be released or in the example of industrial robotics, operator authorization granted.

Special features:

- + Easily adds RFID identification capabilities on single function printers and other devices over Ethernet
- + Simple installation between TWN3/TWN4 reader and Ethernet connected printer
- + Can act as an ethernet network switch



Elevator



EV Chargers



Access



Shop POS



Fitness
Equipment



Ticket POS



PC Log-on



Document
Management



Driver ID



Vending



Parking



Gaming



Locker Locks



Time
Attendance



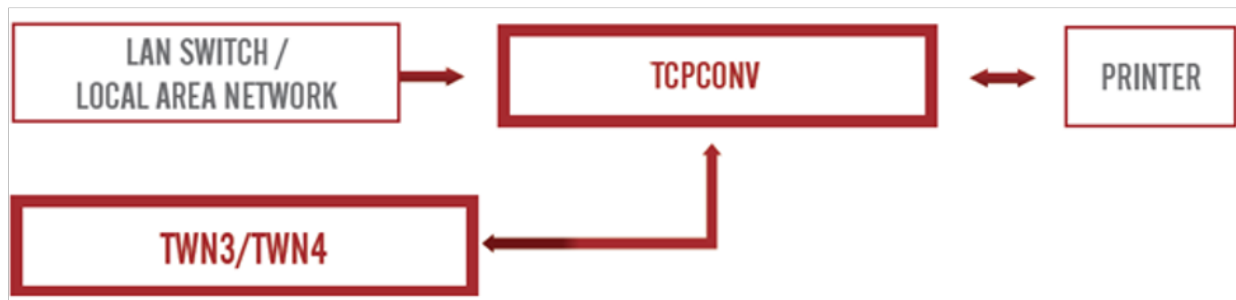
Industrial
PC

TECHNICAL DATA

HOUSING	Material: ABS UL94-V0, color: black
DIMENSIONS (L X W X H)	82 mm x 65 mm x 25 mm / 3.23 inch x 2.56 inch x 0.98 inch
POWER SUPPLY	External power supply 5 V Limited power source according to IEC60950-1 or PS2 classified IEC62368-1, short-circuit current < 8 A
CURRENT CONSUMPTION	Max. 800 mA depending on external load
TEMPERATURE RANGE	Operating: 0 °C up to +70 °C (+32 °F up to +158 °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.
LAN COMMUNICATION PROTOCOLS	TCP, IPV4, DHCP, ARP, PING
USB	Type: USB HOST Maximum current: 500 mA Supported devices: ELATEC TWN3 and TWN4 transponder readers/writers
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
CONNECTORS	Type: USB HOST Maximum current: 500 mA Supported devices: ELATEC TWN3 and TWN4 transponder readers/writers
MTBF	500,000 hours
WEIGHT	Approx. 85 g, without power supply
PERIPHERAL INTERFACES	USB, RS232
TRANSMISSION SPEED	10 / 100 Mbit/s, Other features: Auto MDI/MDIX
CERTIFICATION NAME	TCPCConv
CERTIFICATION(S)	CE/RED, EAC, REACH and RoHS-III compliant
ORDER CODE(S)	TC1K-BT1EU TCPCConv Kit with 0.5 m patch cable (RJ45) and power supply EU* TC1K-BT1UK TCPCConv Kit with 0.5 m patch cable (RJ45) and power supply UK* TC1K-BT1US TCPCConv Kit with 0.5 m patch cable (RJ45) and power supply US* TC1K-BT1AUS TCPCConv Kit with 0.5 m patch cable (RJ45) and power supply AUS* TC1K-BT1JP TCPCConv Kit with 0.5 m patch cable (RJ45) and power supply JP*

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

TCPCONV – SCHEME



ELATEC GmbH
Zeppelinstr. 1
82178 Puchheim • Germany
P +49 89 552 9961 0 • F +49 89 552 9961 129
E-Mail: info-rfid@elatec.com
Website: elatec.com

ELATEC Inc.
4203 SW High Meadows Ave
Palm City • FL 34990 • USA
P +1 772 210 2263 • F +1 772 382 3749
E-Mail: americas-info@elatec.com
Website: elatec.com

ELATEC Technology (Shenzhen) LLC
No. 716 Industrial Bank Tower
Futian District • Shenzhen • China
P/F +86 755 2394 6014
E-Mail: apac-info@elatec.com
Website: elatec.com

ELATEC reserves the right to change any information or data in this document without prior notice. ELATEC declines all responsibility for the use of this product with any other specification but the one mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification. Disclaimer: All names used in this document are registered trademarks of their respective owners.