

TCPCONV

USB/RS-232 ETHERNET SWITCH



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 an 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







































TECHNICAL DATA

TEOTHTOME DITTI	
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	External power supply 5 V
	Limited power source according to the safety norms listed in the respective declaration of
	conformity, 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	TCP, IPV4, DHCP, ARP, PING
PROTOCOLS	TCF, IF V4, DHCF, ARF, FING
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 / 3 oz, without power supply
PERIPHERAL INTERFACES	USB, RS-232
TRANSMISSION SPEED	10 / 100 Mbit/s, Other features: Auto MDI/MDIX
CERTIFICATION NAME	TCPConv
CERTIFICATION(S)	CE/RED, EAC, FCC, REACH and RoHS-III compliant, and many more*
ORDER CODE(S)	TC1K-BT1EU TCPConv Kit with 0.5 m patch cable (RJ45) and power supply EU**
	TC1K-BT1UK TCPConv Kit with 0.5 m patch cable (RJ45) and power supply UK**
	TC1K-BT1US TCPConv Kit with 0.5 m patch cable (RJ45) and power supply US**
	TC1K-BT1JP TCPConv Kit with 0.5 m patch cable (RJ45) and power supply JP**

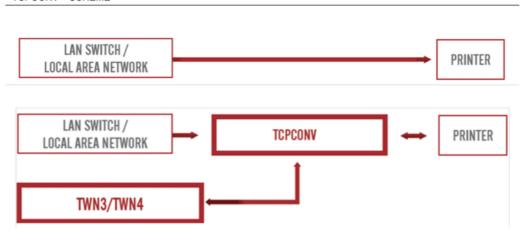
^{*} More information on request.



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



TCPCONV - SCHEME



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