TCP3

AUTHENTICATION / RELEASE STATION

TCP3 authentication / release station
top view

ELATEC RFID readers enable organizations to extend the use of their employee identification badge to authenticate for applications beyond physical access. This includes most multi-function printers and some single-function printers. Unfortunately, not all printers and devices have support for the direct connection of a USB proximity card reader, such as those with no USB port. In these situations, the ELATEC TCP3 authentication / release station extends ID card-based capabilities such as authentication and pull printing to any printing device regardless of the manufacturer, make or model.

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. They 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:

+ Can act as an Ethernet network router
+ Enables user authentication and access control for devices that lack a USB port
+ Minimizes IT support costs associated with additional IP or MAC addresses
+ Allows simultaneous communication of print data and printer status at gigabit speeds
+ Configuration can be saved for later usage on other TCP3s thus saving expensive man hours
+ Optionally available with Power-over-Ethernet as the source of power
+ Supports USB 3.0 and gigabit Ethernet networks
+ Can be used to control access to devices which require special operator training and certification

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	ABS UL94-V0
DIMENSIONS (L X W X H)	105.8 x 92.6 x 35.6 mm / 4.17 x 3.64 x 1.40 inch
POWER	External power supply 5 V or internal Power over Ethernet Limited power source according to the safety norms listed in the respective declaration of conformity, short-circuit current < 8 A
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
NETWORK	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s converter to Host or converter to Device 500 Mbit/s between Host & Device, upgradable to 1.2 Gbit/s at additional cost Host: DHCP, Static IP; Device: DHCP, Static IP
OPERATING MODES	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 USB port. For additional security the connection can be optionally SSL encrypted. Data can be sent via UDP or HTTPS via JSON.
LAN COMMUNICATION PROTOCOLS	TCP, UDP, HTTP, HTTPS, IPV4, DHCP, SSL/TSL1.2, Syslog
USB	Two USB 3.0 Host ports Maximum current: 1.6 A, shared between the two USB ports Supported devices: ELATEC TWN3 or TWN4 readers/writers, many magnetic stripe readers, many optical bar code readers and PIN pads via HID keyboard or CDC
OPTICALLY ISOLATED I/O	Two optically isolated outputs and one optically isolated input traditionally used to support Foreign Device Interface or Internet of Things
CONNECTORS	Ethernet: 2 x RJ45, 10/100/1000BaseT. Host connector supports PoE USB: 2 x USB-A receptacle 8-pin connector for optically isolated signals Power: for plug 5.5 mm/2.1 mm
LED INDICATORS	4 LEDs which use multi-color to indicate Power, Ready, Busy and Status
MEMORY	RAM: 2 GB Flash: 8 GB SDHC Expansion: up to 2 TB
MTBF	500,000 hours
WEIGHT	Approx. 270 g / 9.5 oz
CERTIFICATION NAME	TCP3 TCP3 POE
CERTIFICATION(S)	CE/RED, FCC, IC, REACH and RoHS-III, and many more*
ORDER CODE(S)	TC3K-BT5EU: TCP3 Kit with 0.5 m patch cable (RJ45) and power supply EU** TC3K-BT5JP: TCP3 Kit with 0.5 m patch cable (RJ45) and power supply JP** TC3K-BT5UK: TCP3 Kit with 0.5 m patch cable (RJ45) and power supply UK** TC3K-BT5US: TCP3 Kit with 0.5 m patch cable (RJ45) and power supply US** TC3K-BT5E1: TCP3 Kit with 0.5 m patch cable (RJ45) and Power over Ethernet

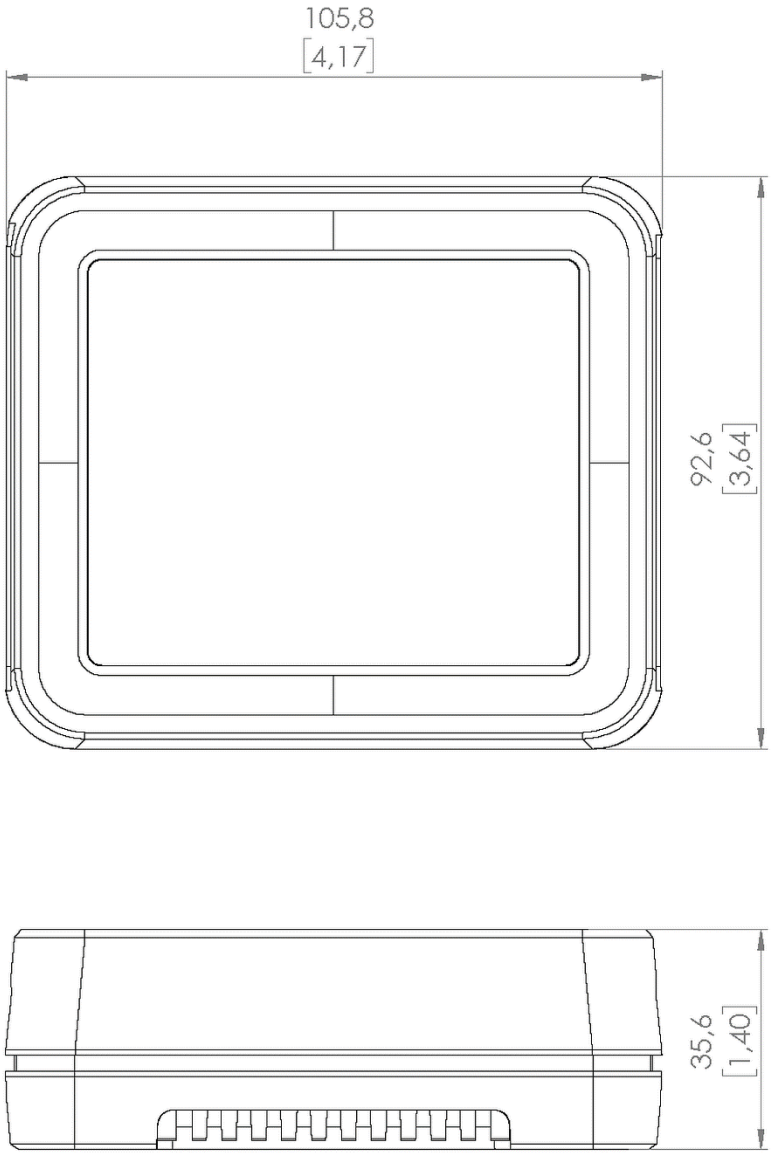
*** More information on request.**

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

ACCESSORIES

CABLE(S)	CAB-J7:	Cable, TCP3, white, 100 cm

DRAWING



All dimensions in mm [inch]

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