

TCPConv 2

USB/RS232 Device Server and Ethernet Router

preliminary

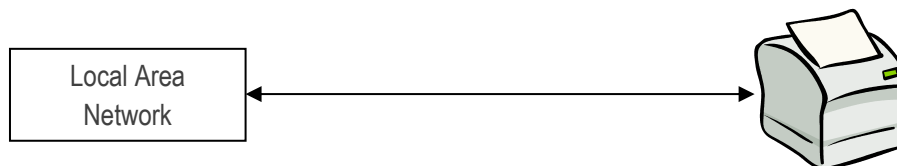


TCPConv 2 allows connecting a device with USB- or RS232-interface to an Ethernet network. A typical application is the extension of a network device (e.g. a network printer) by a local peripheral device.

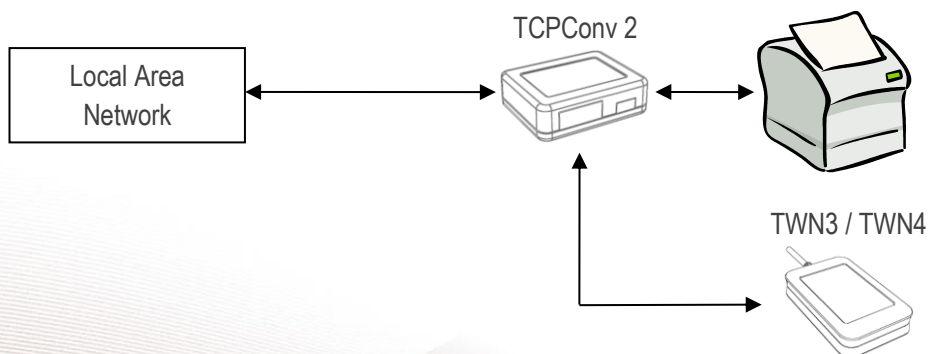
Simply insert TCPConv 2 into the existing LAN connection of your device. In order to do so, TCPConv 2 contains 2 LAN ports, which operate as a network router.

The example below shows a typical environment, where a printer is connected to a network:

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



TCPConv 2 is based on an embedded Linux platform. This allows very flexible implementation of custom applications.

Access to device is possible through Ethernet ports (using SSH) as well as through RS232 port. TCPConv 2 connected in LAN allows use of only one IP address for itself and connected network printer.

Techn. Spoken: TCPConv 2 hides IP address of connected printer and presents its own IP address as the only IP address seen in the network.

TCPConv 2 is configured via built-in web frontend. Printers connected to TCPConv 2 can still be configured via the built-in web frontend.

Technical Data	
Housing	ABS UL94-V0
Dimensions (L x W x H)	95mm x 95mm x 25mm
Power	Power Supply: External power supply 5V Supply Current: 1500mA
Temperature Range	Operating: 0°C to +45°C (-4°F to 158°F) Storage: -40°C up to +85°C (-40°F up to +185°F)
Relative Humidity	10% to 90% non-condensing
Memory	RAM: 128 MB Flash: 2 GB
Ethernet Router	Transfer Rate: 10Mbit/s, 100Mbit/s Other features: Auto MDI/MDIX
USB	Type: 2.0 (One OTG and one Host) Maximum Current: 500mA Supported Devices: Elatec TWN3 or 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	Ethernet: 2 x RJ45, 10/100BaseT USB: 1 x USB-A receptacle, 1 x Mini USB RS232: 1 x DSUB 9pos Power: For plug 5.5mm/2.1mm
LAN Communication	Protocols: TCP, IPV4 (IPV6 on request), DHCP, ARP, PING, SSH, HTTP 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 RS232 port (available soon).
Certification	CE, RoHS-II compliant
Weight	Approx. 270g
Order Code	ART15199 – TCPConv 2 Kit Standard with 0.5m patch cable (RJ45) and power supply (EU) ART15236 – TCPConv 2 Kit Standard with 0.5m patch cable (RJ45) and power supply (US) ART15237 – TCPConv 2 Kit Standard with 0.5m patch cable (RJ45) and power supply (AUS) ART15238 – TCPConv 2 Kit Standard with 0.5m patch cable (RJ45) and power supply (UK)

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