TIP112

TETRA IP Router
LAN <-> TETRA IP Netz

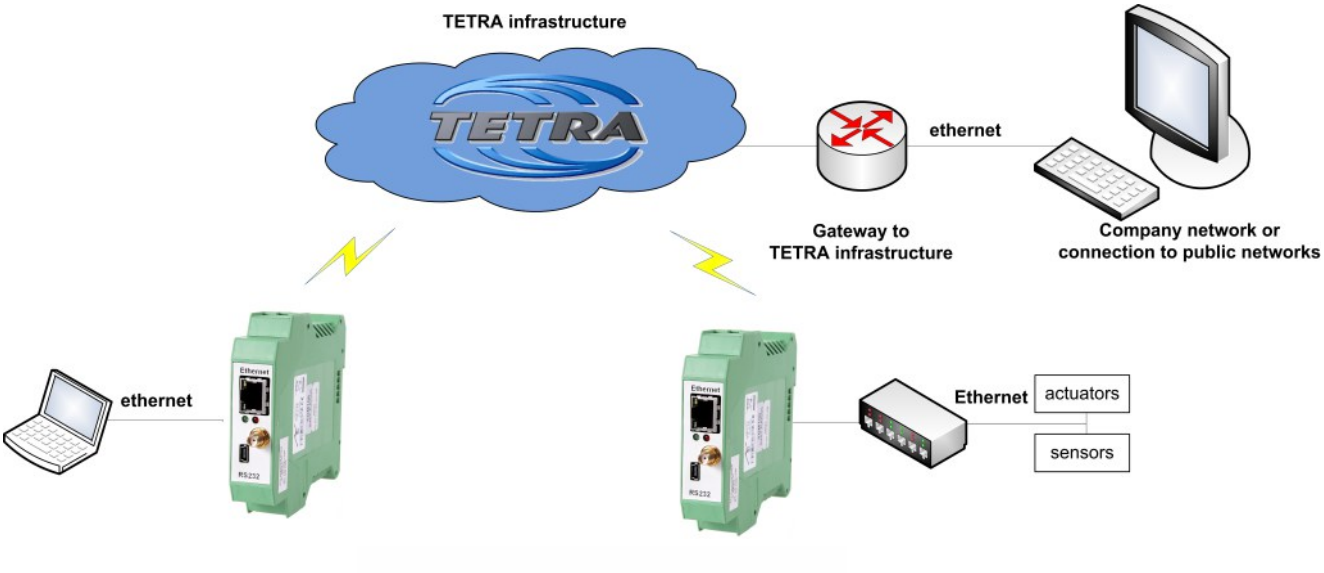

Fig. TIP112 TETRA IP Router

Function

The TIP112 is an TETRA IP Router, connecting an Ethernet based local network (LAN) to a TETRA IP network. This Unit allows a TCP/IP respectively a UDP/IP connection between IP-networks over a TETRA infrastructure. For this the TIP112 establishes a PPP-connection (Point-to-Point-Protocol) to the TETRA IP network by means of a Packet Data session (or SDS). Dial-up from LAN to an terminal takes place via NAPT. Dial-up from the TETRA IP network to an Ethernet terminal is realized via configurable port forwarding.

A TOM100 TETRA modem is used for access to the TETRA network. Together with the modem, the TIP112 is fitted in a DIN rail housing.

The TIP112 is controlled an configured serially on-site or via a Telnet Session. The Telnet Session functions are similar to the cmd input with Windows with commands such as "ping" or "ipconfig".

In addition a PPP-IP connection can be activated for a determined period by means of a Connect-Request-SDS via the TETRA network (in preparation).

Technical Data

- Frequency range TOM100: 380 - 430 MHz
- Dimensions: 18 x 99 x 123 mm (LxBxH)
- Ambient temperature: -20°C - 60°C non-condensing
- DIN rail assembly according to DIN EN 50022
- Electric power supply: 12-24 V/DC or PoE
- Current consumption:
  - receive mode:1,8 W (160 mA at 12 V/DC)
  - Transmit mode: 12 W (1 A at 12 V/DC)
- Interfaces:
  - -10MBit Ethernet, IEEE 802.3 compliant
  - Power over Ethernet, IEEE 802.3af compliant
  - USB interfaces for programming of TOM100
  - RS-232 or RS-485
- Communication:
  - -Layer 3 IP Router
  - supports NAPT
  - supports port forwarding
  - Packet Data and SDS (in preparation)
  - Telnetserver for status survey and control (in preparation)
  - embedded Webserver for status survey and control (in preparation)

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TETRA

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