ZDUE-LAN-PLUS-IV

Remote meter reading via IP network

Benefits:

- Short read-out intervals via IP connection possible
- Protection against unauthorized access
  – Local: Sealable housing
  – Remote: Call privileges with password
- Display of operating data on 4 LEDs
- Integrated wide-area power supply
- International use

Key Features:

- LAN meter modem with Ethernet interface
- Transparent read-out of the meter data
- Integrated wide-area power supply 100 – 230 VAC
- Interfaces: CL1,RS232, RS485/M-Bus
- Local or remote configuration and update
- Status via LEDs
- Extensive connection monitoring
- Operating logbook for communication and network data
- 3 pulse imputs to create a load profile for statistical purposes

The ZDUE-LAN-PLUS-IV from Dr. Neuhaus Telekommunikation is a LAN modem, which makes it possible to read the data delivered by energy, water or gas meters via IP networks.

The meter readings can be retrieved very economically via IP networks at very short intervals. The data received so promptly can be used, among other things, to track trends to optimize load or network management. Using the customer's LAN or a DSL connection reduces the reading costs to a minimum.

The ZDUE-LAN-PLUS-IV is part of the TAINY Connect from Dr. Neuhaus Telekommunikation, the transmission system for wireless and wired M2M (Machine-to-Machine) communications on the basis of IP networks.

Dr. Neuhaus

ZDUE-LAN-PLUS-IV

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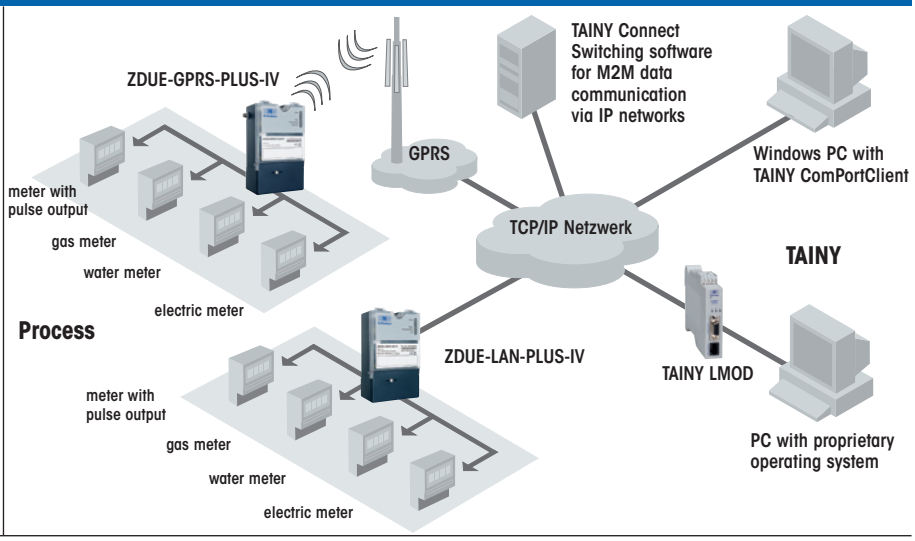
System Components

- ZDUE-LAN-PLUS-IV
- Ethernet network connection
- Switching software: TAINY SwitchingCenter
- Control center software modem: TAINY ComPortClient or
- Control center LAN modem: TAINY LMOD -S1

Topology



Technical Data

INTERFACES	
Service Interface	„Service" RS232 (ITU-T V.24/V.28); speed 19,200 bit/s
Power Supply	Device input voltage: Un 100 – 230 VAC (integrated wide-range power supply), Fn 50 Hz
Electrical Isolation	Power supply L1,N on all interfaces: 3kVac, 50Hz, 1min.; Between the interfaces: 500Vac, 50Hz, 1min.
CONNECTION	
Network	10 BASE-T Ethernet, jack: RJ45; speed: 10 Mbit/s
APPROVALS	
Environmental Conditions	Operation -20 °C to +70 °C (>55 °C derating); humidity 0 – 95 %, non-condensing
Approvals	CE (EMC:EN 55022, EN 61000-6-2; Safety: EN 60950)
MECHANICS	
Mechanics	Enclosure: Standard enclosure for terminal block cover mounting, three-point mounting acc. to DIN 43857-5, IP51, flammability acc. to UL94-V0, sealable cover for terminal block; dimensions: approx. 105 x 70 x 180 mm (L x W x H); weight: approx. 900 g
MISCELLANEOUS	
Accessories	Crossover network cable; network cable
Scope of Delivery	Device, installation instructions
STANDARD VERSIONS	
Interface to Meter	CL1 interface acc. to DIN EN 62056-21: MODE A, C; speed: up to 19,200 baud RS232 interface: signals: Rx, Tx, GND, DTR; speed: up to 115,200 baud; RS485 interface:signals: RT+, RT-; max. 32 transceivers; speed: up to 19,200 baud; 3 x pulse imputs S0 acc. to EN 62053-31 (class b)
Order Number	ZDUE-LAN-PLUS-IV, part.-no.: 814009
M-BUS VERSION	
Interface to Meter	CL1 interface acc. to DIN EN 62056-21: MODE A, C; speed: up to 19,200 baud RS232 interface: signals: Rx, Tx, GND, DTR; speed: up to 115,200 baud; M-Bus for max. 25 slaves; speed: up to 9,600 baud; 3 x pulse inputs S0 acc. to EN 62053-31 (Class B)
Order Number	On request
VERSION WITH AUXILIARY POWER SOURCE	
Interface to Meter	CL1 interface acc. to DIN EN 62056-21: MODE A, C; speed: up to 19,200 baud; RS232 interface: signals: Rx, Tx, GND, DTR; speed: up to 115,200 baud; 3 x pulse inputs S0 acc. to EN 62053-31 (Class B)
Auxiliary Supply Source	Output voltages: rateable to 5 VDC, 9 VDC, 12 VDC or 24 VDC; Output power: max. 1.2 W; Imax. 240 mA @ 5 V, 133 mA @ 9 V, 100 mA @ 12 V, < 50 mA @ 24 V
Order Number	On request

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