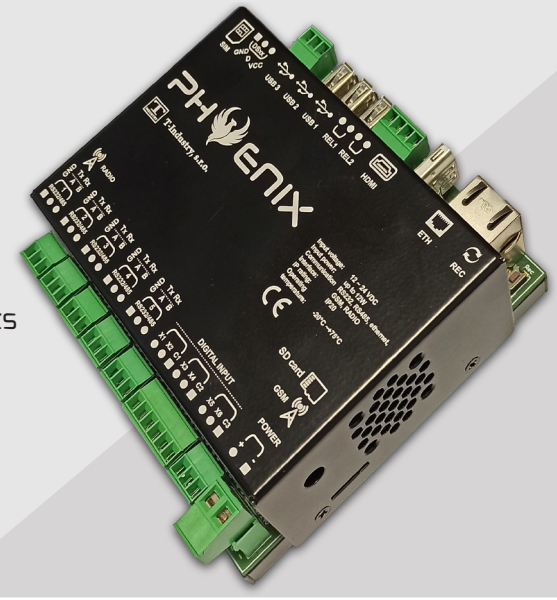
RTU Phoenix

- Powerful 32-bit CPU with ARM Cortex-A9 architecture
- Integrated web management
- Integrated framework for data collection (OpenDAF)
- Software extensions according to customer requirements
- Compact design with DIN rail mounting
- Good price/performance ratio
- Radio module (optional)



Description

Phoenix is a compact communication RTU.

Enables communication with multiple slave and master stations using standard telemetry and automation protocols. The software is built on the Linux operating system. The open architecture of the software allows the addition of functionality by inserting new software modules. Configuration and diagnostics of the RTU takes place via the built-in web interface.

The RTU is in an industrial design, with an industrial range of working temperatures, a metal body and mounting on a DIN rail.

Software

Operating system	Embedded Linux 4.14
Data collection and archiving system	OpenDAF
Communication protocols	- IEC-60870-5-101 - IEC-60870-5-104 - TG800 - Modbus/RTU - Modbus/TCP - OPC - SuiteLink - QERP4 - Simatic S7 - SWTN - PTNET - TINYMESH - SNMP - SQL - MQTT
Programming	- Javascript - C - C++
Configuration	- Webové rozhranie - Offline databáza

Specification

Processor	ARM Cortex-A9, 4x 1 GHz
RAM	2 GB
Storrage	8 GB eMMC + 1x SD slot
Communication interface	1x ethernet 1 Gbit/s 4x USB 2.0 5x RS232/RS485, or 3x RS232/ RS485/ 4x analog input 1x OneWire 1x GSM modem (optional) 1x radio module (optional) 433 MHz, 868 MHz, point-to-point, mesh 1x HDMI (optional)
Inputs	4 + 2x digital inputs 9 - 24 VDC
Outputs	2x Relay output 24 VAC 2 A
Mount	DIN rail
Temperature range	-20 to +60 °C
Power supply voltage	12 - 24 VDC
Power consumption	12 W
IP rating	IP20
Dimensions	112 x 110 x 50 mm

TYPICAL APPLICATIONS

- Electric distribution network
- Natural gas distribution network
- Telemetry/remote control
- Automation
- Lighting control
- Power plant operation