

## ROADSIDE UNIT CONTROLLER

# GNOM-22



GNOM-22 is a universal microprocessor platform designed to integrate of different ITS implementation modules in one control cabinet.

GNOM-22 enables integration of ITS implementation modules made by various manufacturers.

GNOM-22, running under the Linux operating system, enables the unification of data exchange between roadside units and the traffic management centre, using any compatible communication protocols. It is possible to communicate directly with data bus of the National Traffic Management Centre.

GNOM-22 allows to control and automatically regulate the climate of control cabinets, control the main power status, battery status as well as the door opening status.

Telway Sp. z o.o. is the manufacturer and exclusive distributor of GNOM-22 units.

### TECHNICAL DATA

Communication interface	10Base-T/100Base-TX Ethernet
Communication protocols	Modbus-TCP, Moher, MQTT, JSON, other implementations possible
Inputs/Outputs	2x RS232/RS485 with galvanic separation, 2x analog inputs 24V, 2x digital inputs (normally opened), 6x digital outputs 350 mA, max. 28V
Processor	Cortex-A5 (450MHz, 128 Mb RAM)
Data safety	ARM TrustZone® cryptography
Operational system	Linux Buildroot (Debian based)
Management	HTTP, SSH, SFTP, SNMP
Environmental measurements	integrated termohygrometer
Local service	configuration buttons, OLED display embedded
Power supply	12-29 VDC
Energy consumption	max. 2 W
Working temperature	-40 ... +80 st. C.
Ingress protection	IP30
Dimensions	108 x 90 x 60 mm
Weight	260 g
Assembly	35 mm DIN rail

