

Industrial router

The device is a versatile gateway designed to facilitate data exchange between devices operating in the Fast Ethernet Local Area Network (LAN) and Advanced Metering Infrastructure (AMI) using 2G/3G/4G radio transmission technology. This data can be used by central systems for monitoring, supervisory, control and so on.



Radio

Technology	Band
LTE Cat 4	B1/B3/B7/B8/B20/B28
UMTS	B1/B8
GSM	B3/B8

Functionality

- Mass configuration and firmware update system
- Transparent data transmission from serial interfaces
- Protocol support: ARP, DNS, FTP, ICMP, IPv4, DHCP, HTTPS, iperf3, NHRP, NTPv3, OSPF, PEAP/EAP/MSCHAPv2, TCP/IP, UDP/IP, TFTP, SCEP, SCP, SSHv2, SNMPv2c and 3, syslog (RFC5424), TLSv1.2
- Network features support: DDHCP Relay/Server, DNS, GRE/mGRE, IPSEC with IKEv1 and IKEv2, NAT (DNAT and SNAT), server NTP, RADIUS, 802.1x – remotely and locally, using PEAP/MSCHAPv
- Enhanced functionalities for cooperation with electricity meters and data concentrators (e.g., time synchronization, automatic protocol recognition)
- Remote and local restart
- Proprietary supervisory mechanisms - WatchDog
- Advanced access security to device configuration
- Internal and remote event logging
- Built-in IP address, MAC, and TCP/UDP port filters
- Internal real-time clock with battery backup and synchronization capabilities using NTP server, GSM network time, or GPS
- Configuration without connecting to main power (using USB power)
- Power outage and recovery notification function
- WebGUI interface

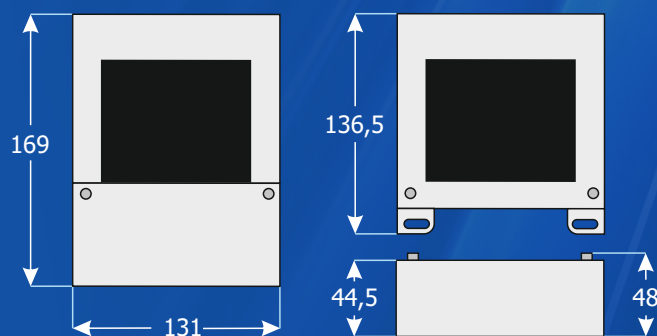
Equipment

- Interfaces LAN (2 x RJ45)
- LED indicator informing about the device operation status
- Serial interface RS485
- Serial interface RS232
- Configuration interface (miniUSB 2.0)
- Antenna ports (2 x SMA female connector)
- SIM card connector (2FF USIM format)
- Built-in power source



Specifications

- Operating temperature: -25 °C ÷ 60 °C
- Power supply: 100 ÷ 240V AC
- Power consumption: max. 7,8W
- Enclosure made of non-conductive material
- Protection rating: IP 51 (interface connectors sealed with integral cover)
- TH35 rail mounting option (optional adapter)



Dimensions in mm

The comander brand is the property of ANDRA sp. z o.o.