KET-GZE-220

IP40 | **RS485 ModBUS** | **TCP IP ModBUS** | **Ethernet** | **X-Monitor** | **230V** | **12-24 VAC / 12-20 VDC**

Gateway X-Monitor

- **Bidirectional RS485 port**
- **Server ModBUS TCP/IP**
- **Native integration with X-Platform**
- **Compatible with REST / JSON services**

The **KET-GZE-220** is a gateway with industrial features suitable for installation in industrial and civil switchboards, even in outdoor installations. Using the supplied **X-Manager** software, it is very easy to install even complex **sensor networks**, setting all the necessary parameters and checking all the acquired measurements in real time.
In addition to the possibility of sending data to external platforms (such as X-Platform), there is an **internal SD memory** that allows you to store data for extended periods.
The **RS485 port** works in both Master and Slave RTU modes. In this way it is possible to connect devices directly to the gateway or access the registers of connected devices with an external RTU Master.
In addition, the KET-GZE-220 incorporates a **ModBUS TCP/IP server** that allows the connection of the X-Monitor network to SCADA systems, programmable logic (PLC) and human-machine interfaces (HMI systems and displays).
Integration with proprietary data collection systems is made possible by the support for sending data to REST/JSON web services and IEC 60870-5-104 protocol.

APPLICATIONS

Accounting

MAGGIORI CONTENUTI ONLINE

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	**Protection Range**: Front: IP40; Screw Terminals: IP20 **Operative Temperature**: -20 ÷ +70 °C **Storage Temperature**: -20 ÷ +85 °C **Relative Humidity**: MAX 80% not condensing
CASE	**Dimensions**: 106 x 90 x 60 mm (W x H x D) **Mounting**: Wall mounting or on DIN rail **Required DIN modules**: 6 DIN modules **Electric Board Type**: Industrial or switchboard **Material**: Blend PC/ABS sel extinguishing UL94-VO
POWER SUPPLY	**Supply Voltage**: 12 ÷ 24 VDC, 12 ÷ 20 VAC; 230 VAC with integrated power supply **Consumption**: < 1.5 W @ 12 ÷ 20 VAC / < 1.5 W @ 12 ÷ 24 VDC / < 1.5 W @ 230 VAC **Connectors types**: Removable screw terminals
DATALOGGER FUNCTION	**Memory Type**: Flash on 1GB internal microSD card not accessible, 1GB RAM of which 512KB buffering **Data Storage Capacity**: For a period of over 3 months
PROCESSORS	**Processor Type**: Rabbit Core RCM 4800
RS485 INTERFACE	**Supported Protocols**: Master or slave ModBUS RTU **Communication Rate**: **Isolation**: **Connectors types**: Removable screw terminals
ETHERNET INTERFACE	**Supported Protocols**: 10/100 Base-T **Communication Rate**: **Connectors types**: RJ45
RADIO MODULE	**Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4 / ZigBee™ Pro 2.0 **Radio Frequency**: 2.4 GHz ISM Band **Output Power**: +3 ÷ +20 dBm **Sensitivity**: -104 dBm **Antenna Type**: RPSMA connector, 90° antenna supplied **Max Distance (Free Air)**: Over 1000 m
FUNCTIONALITY	**Radio Signal Indicator**: **Output Power Adjustment**: **Firmware Upgrade**: Remotely
INTEGRATED FUNCTIONS	**Services**: Routing of messages from/to Ethernet network and X-Monitor network. Wireless network coordinator function; ModBUS TCP/IP server; Master/Slave ModBUS RTU

No Information