System monitoring via ECO 608 Gateway

Art. No. 11605-230

Product description

The ECO 608 Gateway is a high performance sensor interface of the latest generation for system and infrastructure monitoring.

Up to 30 sensors can be connected fully automatically to the ECO 608 via Industrial 1-Wire Bus and Auto-E-Connect PLUG and PLAY system.

The ESERA Auto-E-Connect system, which is an extension of the 1-Wire Bus standard, has been registered by ESERA GmbH as a German and European patent.

A wide range of sensors is available, such as for temperature, humidity, dew point, air quality (CO2, VOC or fine dust), digital alarm signaling contacts, glass breakage and smoke detectors. Each of the maximum 30 sensors can provide up to 5 data values. Thus, the ECO 608 Gateway can supply up to 150 sensor data to your control system.

In addition to the sensor bus interface, the ECO 608 has 8 digital inputs for monitoring normally open contacts, e.g. alarm signaling or door contacts.

The ECO 608 has a digital output (relay) for switching electrical loads or alarm signaling devices.

Via WLAN and LAN interface it is possible to communicate with up to 16 dynamic connections via Modbus/TCP and ASCII text protocol.
Configuration of the interfaces via web server.

For use in industrial environments the ECO 608 has a mains input of 100-240VAC.

Highlights

8 x digital inputs
—
WLAN and LAN Modbus
TCP – Data interface
—
max.16 Modbus Data connections
—
OLED Display
—
1 x Relay output / Alarm output
—
PLUG and PLAY interface
for up to 30 Sensors
(e.g. temperature-, humidity-,
air quality-, gas Sensors)
—
Webserver
for Configuration, Debug and
Firmware Updates
—
robust industrial version
—
extensive Software support
—
Power supply 100-240VAC
—
Connection via Push In terminals
—
DIN rail housing
100mm width

Optional equipment

- Ultrafast iButton or RFID Read function for access or security authentication.
- Lacquered electronics (Conformal Coating) for high operational reliability under permanent high or strongly fluctuating humidity conditions.
- Data logger function for long-term measurement recording or logging.
- Mains failure bridging or UPS function via rechargeable battery for min. 10 minutes operation.
  This means that any power failure can be detected and reported, and the sensor data can still be read in and sent to the higher-level control system.
- Vandalism protection for detection of housing openings.
- An external antenna for the WLAN interface is optionally possible.

Key Features (Basic unit)

Data interface	LAN and WLAN Modbus/TCP and ASCII text interface (ESERA Protocol) WLAN: 802.11 b/g, LAN 10/100MBit/s, up to16 dynamic and up to 5 static TCP connections
Operating modes	TCP/IP Server, DHCP or fixed IP-Address Auto Negoziation
Sensor Bus (1-Wire Industrial Bus)	1-Wire Bus system for parasitic or standard mode Support for ESERA Auto-E-Connect System, level 1 - 3
Digital inputs	8 x digital inputs for Alarm signaling contacts (normally open contacts, 5V working voltage))
Digital output	1 x relay changeover contact 10A/230VAV or 6A/30VDC
Internal Sensors	temperature measuring range -40 to + 85°C, accuracy +/- 0,3°C humidity, relative, measuring range 0-100%, accuracy 3%
Power supply	100 to 240VAC, max. 5 watt at 230VAC
Connection	screwless terminals, Push In terminals, RJ45 socket
Dimensions	90,5 x 106,3 x 62 mm (H x W x D)
Housing color	lightgrey
Housing material	ABS plastic
Protection system , Protection class	IP20 / Protection class II
Temperature, Operation	-25°C to +70°C (Optional -40°C to +70°C)
Humidity, Operation	10-92%
System clock (RTC)	min. 24 hours RTC operation without mains voltage

Trademarks

All listed designations, logos, names and trademarks (including those that are not explicitly marked) are trademarks, registered trademarks or other designations protected by copyright or trademark or title law of their respective owners and are expressly recognised by us as such. The mention of these designations, logos, names and trademarks is for identification purposes only and does not constitute any kind of claim by ESERA GmbH to these designations, logos, names and trademarks. Furthermore, the appearance on web pages of ESERA GmbH does not imply that designations, logos or names are free of industrial property rights. **ESERA and Auto-E-Connect are registered trademarks of ESERA GmbH.**

Contact

ESERA GmbH
Adelindastrasse 20, D-87600
Kaufbeuren, Germany

Tel.: +49 8341 999 80-0,
Fax: +49 8341 999 80-10

www.esera.de
info@esera.de