EAN code
eLAN-RS485/232: 8595188170260

- The eLAN-RS485/232 is used to communicate with devices communicating via the Modbus RTU protocol, with the converter acting as a master unit.
- eLAN-RS485/232 is equipped with a web interface to configure the connected devices.
- Thanks to the web interface, the eLAN-RS485 / 232 can be used as a stand-alone device.
- eLAN-RS485/232 is integrated into the Connection Server, which makes it possible to control the connected technology through iNELS Home Control (iHC). Thus, it is possible to control, for example, ventilation systems and heat recovery from NILAN.
- The eLAN-RS485/232 is equipped with A, B and GND terminals for connection to the RS485 serial line on the back panel, as well as a signalling diode to indicate the reception status.
- The front panel features an RJ45 connector to connect to the Ethernet via a network cable.
- The power supply of the eLAN-RS485/232 is possible via a 10-27V DC adapter (adapter included) or through a 24V DC PoE, e.g. directly from a switch or PoE injector.
- The eLAN-RS485/232 requires the RS485 serial interface to be connected in line and to comply with all policy and installation requirements of this interface.

Technical parameters	eLAN-RS485/232
Interface Ethernet	
ETH operating status indicator:	green LED
ETH communication indicator:	yellow LED
Communications interface:	100 Mbps (RJ45)
IP address support:	static, DHCP client
Factory setting:	DHCP client
Interface RS485	
Broadcast indication:	red LED
Connector:	PUSH IN max 1.5 mm²
Bus termination on the eLAN-RS side:	120 Ω resistor (implemented inside the eLAN-RS485/232)
Range:	up to 1 km (depending on cable used and communication speed)
Communication speed:	adjustable, max. 230.4 Kbps
Max. connection:	32 devices
Communication:	half-duplex transmission
Type of communication:	MODBUS - RTU, EZS Jablotron, Air Pohoda
Parity setting:	none, odd, even
Length:	5 / 6 / 7 / 8 bit
Stop bit:	1/2
Interface RS232	
Broadcast indication:	red LED
Connector:	PUSH IN max 1.5 mm²
Bus termination on the eLAN-RS side:	120 Ω resistor (implemented inside the eLAN-RS485/232)
Communication speed:	adjustable, max. 230.4 Kbps
Max. connection:	32 devices
Communication:	half-duplex transmission
Type of communication:	MODBUS - RTU, EZS Jablotron, Air Pohoda
Parity setting:	none, odd, even
Length:	5 / 6 / 7 / 8 bit
Stop bit:	1/2
Power supply	
Indication:	Yellow LED STATUS
Supply voltage/current:	10-27 V DC / 200 mA SELV
Power:	adapter with connector Jack Ø 2.1 mm (part of supply) Passive PoE or connector USB-B
Supply voltage indication:	Green LED POWER
Button RESET:	To factory settings
Power source:	230 V AC / 12 V DC supplied with the data logger
Operating conditions	
Operating temperature:	-20 .. +55 °C
Storage temperature:	-25 .. +70 °C
Protection degree:	IP 20
Pollution degree:	2
Operation position:	arbitrary
Installation:	free
Design:	design box
Dimensions and weight	
Dimensions:	90 x 52 x 65 mm
Weight:	110 g

Example of connection

Front panel

USB connector

Power connector

Green LED POWER indication power supply

Yellow LED STATUS

LED indication Ethernet communication

Connector of Ethernet (RJ 45)

RESET button

Back panel

Interface Terminal 232

Interface Terminal 485

Red LED indicates the reception of data