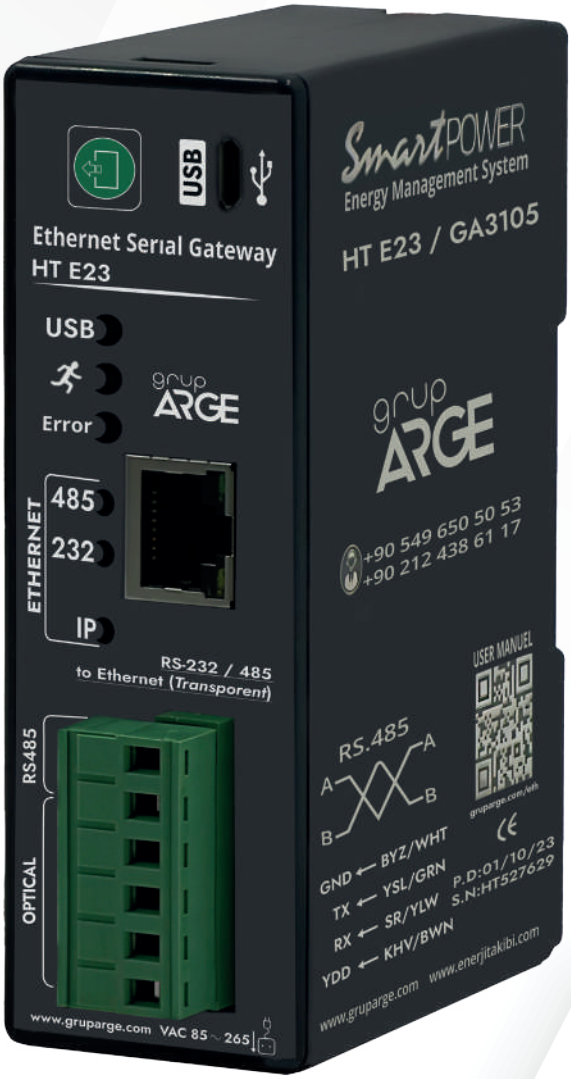
HT E23 Ethernet - Serial Gateway Datasheet



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V.25.1

1.1. General Features

HT E23 Ethernet Serial Gateway is a product developed for remote monitoring of electronic electricity meters and devices supporting Modbus protocol. It provides communication with electricity meters via optical, RS-232 or RS-485 (2-wire) communication ports and with devices with Modbus protocol via RS-485 port.

In order for the communication terminal to establish an internet connection, it must be connected to the company's internet network via an Ethernet cable. If the cable distance will exceed 70 meters, CAT6 cable should be preferred. If the network to which the device is connected distributes dynamic IP via DHCP, it will automatically receive IP and try to access the internet. The device can be given a static IP address via Ethernet via the GatewayXpert application or by connecting via USB.

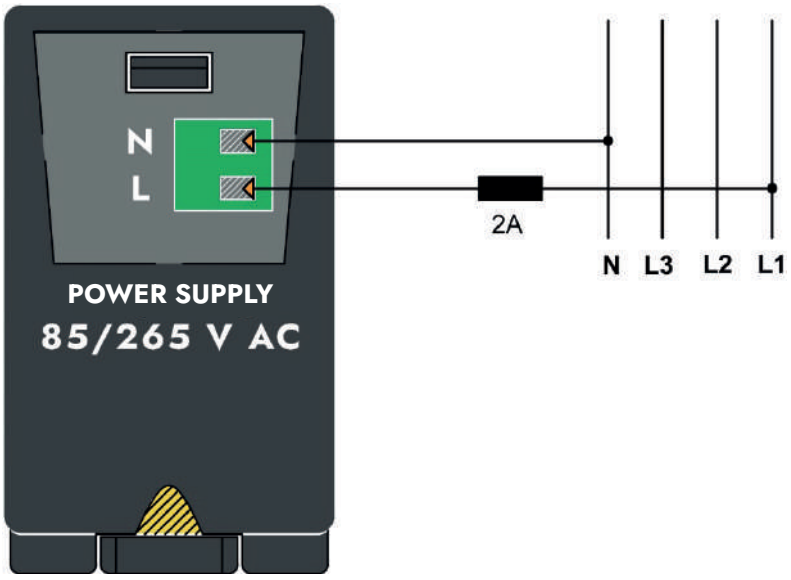
Device configuration is done through the GatewayXpert application. Both RS-485 and RS-232 ports of the device can be set to operate in TCP to RTU, TCP to ASCII,

the Ethernet serial gateway can be accessed with any communication application over Ethernet without any interface application.

1.2. Basic Features

- Microprocessor based.
- Operates with 85-265 V AC supply.
- Supports RS-485 Standard Modbus RTU protocol, RS-232 and optical port communication channels.
- It can communicate with all meters that support TS EN 62056-21 protocol.
- It can read 32 meters or 247 Modbus devices via RS-485 and 1 meter or Modbus device via RS-232.
- One meter can be read via optical reader and RS-232.
- It has LEDs indicating USB, Power, RS-485/Optical (Communication), IP and internet status.
- The operating ambient temperature of the device is between -10 °C and +55 °C.
- Supply consumption power is less than 1 VA.
- It has IP40 protection class.
- The dimensions of the device are (Width-Length-Depth) 36 x 109 x 92 mm.

1.3. Supply Connection



1.4. Technical Drawing

