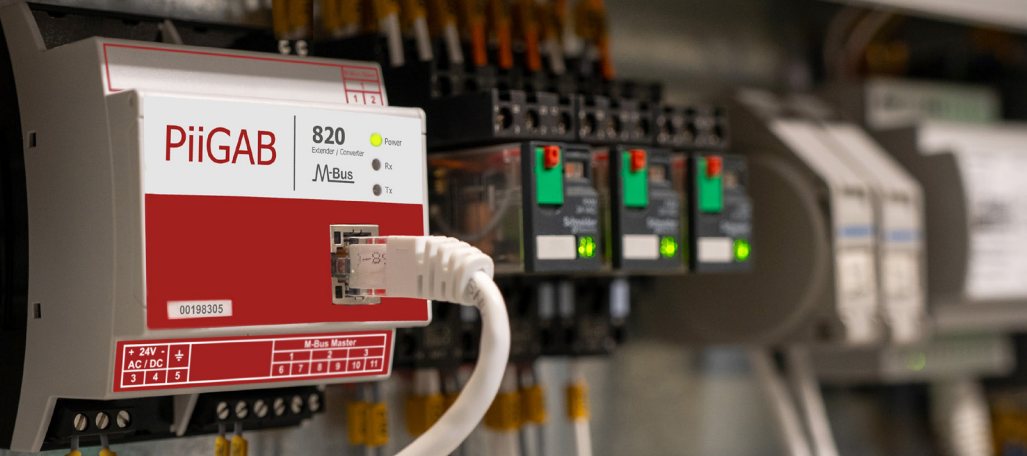


PiiGAB 820 Datasheet



Technical Specification

Number of Loads

PiiGAB 820 can drive up to 250 M-Bus loads.
License levels: 2, 5, 20, 35, 70, 120, 170, 250 loads.

License Upgrade

Licenses can be activated or upgraded easily directly via the built-in web interface.

Software Update

PiiGAB 820 is future-proof thanks to its capability for firmware updates via the web interface.
If new functionality or improvements are released in the future, they can be added easily afterwards.

Network

10/100 Mbit Ethernet
TCP, UDP
Static IP or dynamic IP via DHCP

Power Supply

Input: 24V (AC/DC)
At full load – up to 250 M-Bus loads – the device has a maximum power consumption of 20 VA (approx. 0.83 A at 24V).

Ports

1 × RJ45 – Ethernet 10/100 Mbit
1 × 24V AC/DC + PE
1 × M-Bus master with three parallel physical ports
1 × M-Bus slave port

Enclosure and Dimensions

Enclosure rating: IP20

Dimensions: (W × H × D): 71.6 × 60 × 48.9 mm
(4 modules)

M-Bus standard: EN 13757-2, -3

Baud rates: 300, 1200, 2400 (default), 4800, 9600, 19200, 38400

Status Indication

PiiGAB 820 is equipped with three multicolor LED indicators providing quick and clear information about device operation and communication on the M-Bus line.

- PWR indicates device operation and power status.
- RX indicates incoming communication on the M-Bus line.
- TX indicates outgoing communication on the M-Bus line.

The LEDs simplify installation and troubleshooting by visually confirming normal startup, active data traffic, and possible faults.

LED	Blink pattern	Indicator	Meaning
PWR	● (Solid green)	Power on	Device in operation
	● (Off)	No power	Check power supply
	● (Solid blue)	Startup	Device is starting up
	● (Flashing red)	Error status	Short circuit
	● (Slow flashing red)	Error status	Overload
RX	● (Flashing green)	Incoming traffic	Data received
TX	● (Flashing green)	Outgoing traffic	Data transmitted

Article number

- 11-15-009: PiiGAB 820 Converter & Extender - 2 Loads
- 11-15-010: PiiGAB 820 Converter & Extender - 5 Loads
- 11-15-011: PiiGAB 820 Converter & Extender - 20 Loads
- 11-15-012: PiiGAB 820 Converter & Extender - 35 Loads
- 11-15-013: PiiGAB 820 Converter & Extender - 70 Loads
- 11-15-014: PiiGAB 820 Converter & Extender - 120 Loads
- 11-15-015: PiiGAB 820 Converter & Extender - 170 Loads
- 11-15-016: PiiGAB 820 Converter & Extender - 250 Loads

PiiGAB