



Item description

Integrating machines and systems into the “Internet of Things” is incredibly quick and easy with the WAGO IoT Box MES. This IoT Box also offers a wide range of communication and bus protocols for communicating with production control systems. The complete system is ready for immediate use and offers all the functions required for digitalization, from signal acquisition to cloud connectivity.

The IoT Box was designed as a plug-and-play device – no hardware engineering is needed. Collected data is transferred to the desired IoT application with just a few parameter settings.

The hardware includes a controller with its own communication interface, I/O modules with analog and digital inputs/outputs and a 24 V power supply unit.

Depending on the application, additional I/O modules can be added later to adapt the system to specific requirements.

Manufacturing Execution Systems (MES)

This IoT Box includes:

- Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485: 750-8212
- Switched-Mode Power Supply; Classic; 1-phase; Output voltage: 24 VDC; Output current: 2 A; NEC Class 2; DC OK signal: 787-1606
- 8-Channel Digital Input; 24 VDC; 3 ms; 2-wire connection: 750-1415
- 8-Channel Digital Output; 24 VDC; 0.5 A; 2-wire connection: 750-1515
- 8-Channel Analog Input; resistance measurement; adjustable: 750-451
- 4-Channel Analog Input; voltage/current; differential input; 16 bits; diagnostics: 750-471

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Subject to changes. Please also observe the further product documentation!



- End Module: 750-600
- SD Memory Card; pSLC-NAND; 8 GB; Temperature range: -40 ... +90 °C: 758-879/000-2108
- Energy Data Management (EDM) application (installed and licensed)
- Circuit breaker; 1-pole; C 10 A; 10 kA
- Electrical circuit breaker; 1-pole; 24 VDC; 1 ... 8 A
- Set of wall-mount lugs
- Cable grips M16; M20; M25
- Connectors (plug and socket) for power supply

Data

Technical data

Communication	ETHERNET Modbus (TCP, UDP) Modbus® RTU RS-232 serial interface RS-485 interface MQTT
ETHERNET protocols	DHCP DNS FTP FTPS HTTP HTTPS SSH
Visualization	Web-Visu
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	ETHERNET: 10/100 Mbit/s
Supply voltage	230 VAC; (L/N/PE); 50 Hz

Physical data

Width	300 mm
Height	300 mm
Depth	210 mm

Mechanical data

Weight	8602 g
Conformity marking	CE

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Environmental requirements

Ambient temperature (operation)	0 ... +45 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Protection type	IP20
Note on protection type	IP20/IP65; (IP65 only applies when both power and LAN cables are locked)
Pollution degree (5)	I
Relative humidity (without condensation)	95 %
Mounting type	Wall-mount

Commercial data

PU (SPU)	1 Pieces
Packaging type	box
Country of origin VKOrg Germany	QU
GTIN	4055144092400
Customs tariff number VKOrg Germany	85371091990

Downloads

Documentation

Bid Text

2854-099/000-002 docx - Datei	docx 25 B	Download
2854-099/000-002 X81 - Datei	xml 7 B	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2854-099/000-002 IoT-Box; MES	URL	Download
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Installation Notes

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