



Item description

Integrating machines and systems into the “Internet of Things” is incredibly quick and easy with the WAGO IoT Box MES 4G. 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.

The integrated 4G cellular modem provides a wireless connection to the Internet and includes a radio license for EU countries.

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, Mobile Radio Module 4G: 750-8217
- Magnetic-Mount Antenna; with 2.5 m cable and SMA plug; GSM/UMTS/LTE/Bluetooth®/WLAN; 698-960, 1400-1518, 1710-2700 MHz: 758-975
- 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

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



- 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
- 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
Services	GPRS connection to Internet
Radio technology	GSM/UMTS/LTE
Frequency band	GSM dual band (B3; B8); E-UTRA bands (B1; B3; B5; B7; B8; B20; B38; B40; B41)
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

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WAGO Corporation
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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.



Mechanical data

Weight	8761.8 g
Conformity marking	CE

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	4055144092646
Customs tariff number VKOrg Germany	85371091990

Downloads

Documentation

Bid Text

2854-099/000-004 X81 - Datei	xml 8 B	Download
2854-099/000-004 docx - Datei	docx 26 B	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2854-099/000-004 IoT-Box; MES 4G	URL	Download
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Installation Notes

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