



Similar to illustration

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
- 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
- Electronic 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

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

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
Fire load	0 MJ

Commercial data	
ETIM 8.0	EC002581
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	QU
GTIN	4055144092400
Customs tariff number	85371091990

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2854-099/000-002	

Documentation		
Bid Text		
2854-099/000-002	docx 25.34 KB	
2854-099/000-002	xml 7.30 KB	