



Item description

Integrating machines and systems into the "Internet of Things" is incredibly quick and easy with the WAGO IoT Box Energy Data. This IoT Box features power and energy measurement functionality and is ready for immediate use. It also 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, a 3-phase power measurement module 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.

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

3-Phase Power Measurement; 690 VAC 1 A: 750-495/000-002

Rogowski Coil; Primary rated current: 4000 A; Output signal: 22.5 mV per kA; Cable length: 1.5 m; Feedthrough for measurement conductor: 70 mm: 855-9150/2000-701

End Module: 750-600

SD Memory Card; pSLC-NAND; 8 GB; Temperature range: -40 ... +90 °C: 758-879/000-2108

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

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



IoT Box 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 RS-232 serial interface RS-485 serial 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/GND); 50 Hz

Physical data

Width	300 mm
Height	300 mm
Depth	210 mm

Mechanical data

Weight	9236.7 g
Conformity marking	CE

Environmental requirements

Surrounding air 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)

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



Pollution degree (5)	I
Relative humidity (without condensation)	95 %
Mounting type	Wall mount

Commercial data

PU (SPU)	1 Stück
Packaging type	box
Country of origin	DE
GTIN	4055144091496

Downloads**Documentation****Manual**

WAGO Applikation IoT-Box	2.1.0 2021. 6. 23.	pdf 4.9 MB	Download
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Bid Text

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Environmental Product Compliance**Compliance Search**

Environmental Product Compliance 2854-099/000-001 IoT-Box; Energy Data		URL	Download
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Installation Notes

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WAGO Kontakttechnik GmbH & Co. KG
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