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Integrating machines and systems into the "Internet of Things" is incredibly quick and easy with the WAGO IoT Box Energy Data 4G.

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.

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.

The 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
- 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: 1000 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
- IoT Box 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 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

Data Sheet | Item Number: 2854-099/000-003

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Technical dataFrequency bandGSM dual band (B3; B8); E-UTRA bands (B1; B3; B5; B7; B8; B20; B38; B40; B41)Baud rate (communication/fieldbus 1)10/100 Mbit/sBaud rateETHERNET: 10/100 Mbit/sSupply voltage230 VAC; (L/N/PE); 50 Hz

Physical dataWidth300 mmHeight300 mmDepth210 mm

Mechanical DataWeight9429.7 gConformity markingCE

Environmental requirementsAmbient temperature (operation)0 ... +45 °CSurrounding air temperature (storage)-40 ... +85 °CProtection typeIP20Note on protection typeIP20/IP65; (IP65 only applies when both power and LAN cables are locked)Pollution degree (5)IRelative humidity (without condensation)95 %Mounting typeWall-mountFire load102.304 MJ

 Commercial data

 ETIM 8.0
 EC002581

 PU (SPU)
 1 pcs

 Packaging type
 Box

 Country of origin
 QU

 GTIN
 4055144092448

 Customs tariff number
 85371091990

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Environmental Product Compliance

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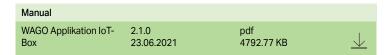


Documentation

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