

IloT Gateway, WBGcMTG02 with WiFi



- Remote access to PLCs via EasyAccess 2.0
- Supports Wi-Fi standard 802.11b/g/n
- OPC UA (client/server)
- MQTT
- Modbus TCP/IP gateway
- MPI 187.5 K
- Compact design and DIN rail mounting
- Fanless cooling system
- Integrated 256 MB flash memory
- Galvanic isolation of the input voltage from the system voltage
- Wide input voltage range from 10.5 VDC to 28 VDC

<https://www.wachendorff-prozesstechnik.de/en/WBGcMTG02>

Description

Data integrity plays a major role in an IloT application. To achieve this data integrity, it is essential that the communication of machines and systems with the higher-level monitoring and control systems (SCADA, ERP... etc.) functions seamlessly. In a factory where each control system uses its own driver for communication, ensuring data integrity is extremely difficult.

With the new IloT smart communication gateway WBGcMTG01 from Weintek, we provide you with the best solution for data transfer and integration in the IloT.

The WBGcMTG02 Communication Gateway is not only equipped with an Ethernet port, but also supports Wi-Fi so that it can communicate wirelessly.

The OPC UA and MQTT protocols make the WBGcMTG02 an IloT gateway for your smart factory. With more than 300 drivers for the most well-known PLC and controller manufacturers, the WBGcMTG02 can be used as a Modbus TCP/IP gateway to higher-level control systems (SCADA).

The very compact, fanless WBGcMTG01 with a wide temperature range fits into any control cabinet and communicates with existing infrastructure. The 32-bit Cortex A8 processor with a clock rate of 600 MHz ensures very fast data processing, while the integrated battery-backed real-time clock enables secure data storage with a reliable time stamp.

Ambient conditions:	Protection class: IP20 Storage temperature: -20°C to 60°C (-4°F to 140°F) Operating temperature: 0°C to 50°C (32°F to 122°F) Relative humidity: 10% to 90% (non-condensing)
Specifications:	PCB circuit board coating: Coated circuit board is protected against corrosion and ensures high reliability. Housing: Plastic Dimensions (LxHxW): 109 mm x 81 mm x 27 mm Weight: approx. 140 g Mounting: 35 mm DIN rail
Certificates:	CE
Software:	EasyBuilder Pro V6.00.01 or later versions
Manufacturer:	Weintek Labs, Inc

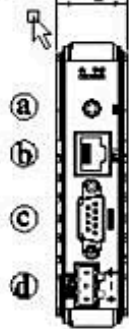
Product details

Memory:	Flash: 256 MB RAM: 256 MB
Processor:	32 bit RISC Cortex-A8, 600 MHz
Interfaces:	Ethernet: 10/100/1000 Base-Tx 1 WiFi: IEEE 802.11 b/g/n 802.11b: max. 15.88 dBm 802.11g: max. 11.92 dBm 802.11n: max. 11.28 dBm COM port: COM1: RS232 2-wire COM2: RS485 2-/4-wire COM3: RS485 2-wire
Real-time clock (RTC):	integrated
Supply voltage:	Input voltage: 10.5 VDC to 28 VDC Voltage isolation: integrated Current consumption: 230 mA at 12 VDC, 115 mA at 24 VDC Dielectric strength: 500 VAC (1 min) Insulation resistance: 50MΩ at 500 VDC Vibration resistance: 10 to 25 Hz (X, Y, Z direction, 2G for 30 min.)

Drawings

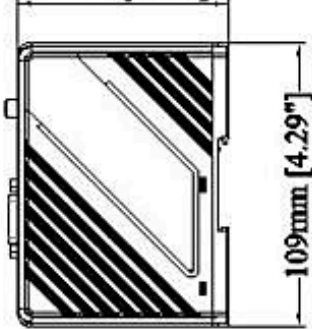
Dimensions

27mm [1.06"]

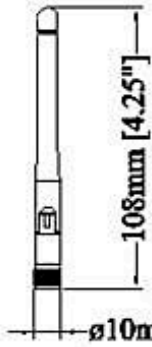


Frontansicht

81mm [3.19"]



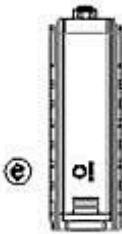
Seitenansicht



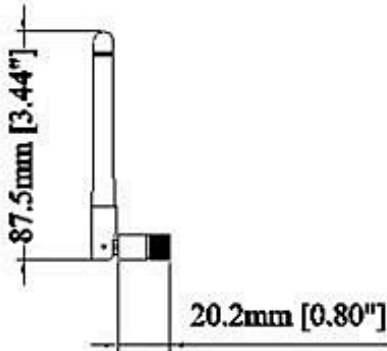
Antenne



Draufsicht



Ansicht von unten



- a. WiFi
- b. Ethernet Port 1 (10M/100M)
COM1: RS-232 2-Draht
- c. COM2: RS-485 2-/4-Draht
COM3: RS-485 2-Draht
- d. Anschluss Spannungsversorgung
- e. Reset Taster

Male, 9 Pin, D-sub

PIN#	COM1 [RS232]	COM2 [RS485]		COM3 [RS485]
		2W	4W	
1				Data+
2	RxD			
3	TxD			
4				Data-
5			GND	
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	

Drawings

Step file



Step file as .rar

cMTG02.rar



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