WEINTEK

cMT-CTRL01

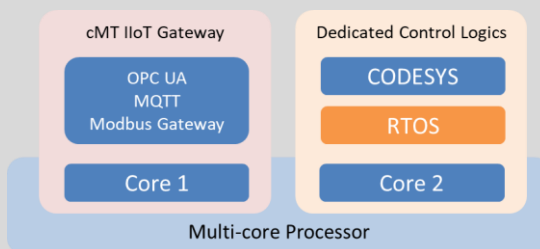## CODESYS PLC with IIoT Gateway

(I/O modules not included)

Feature
- CODESYS PLC compliant with IEC61131-3
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- SD Card Slot Supports SD/SDHC Cards
- Rich combination of iR Series Modules

Gateway
- COM2 / COM3 RS-485 2W Supports MPI 187.5K
- Supports OPC UA Server/Client and MQTT
- Modbus TCP/IP Gateway

Memory	Flash	4 GB
	RAM	512 MB
	Data, Memory, Code	3 MB
	Retain area	16 KB (every minute) (Kept after reboots)
	Persistent area	16 KB (every minute) (Kept after downloads)
	File system	8MB
Processor		Dual-core RISC
I/O Port	SD Card Slot	SD/SDHC
	Ethernet	Ethernet 1: 10/100/1000 Base-T x 1 Ethernet 2: 10/100 Base-T x 1
	COM Port	COM1 RS-232 2W, COM2 RS-485 2W/4W, COM3 RS-485 2W
	Local bus	iBus
	CAN Bus	N/A
CODESYS	Protocol	Modbus TCP/IP Master, EtherCAT Master
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Dissipation	Nominal 310mA@24VDC
	Current for Internal Bus	Max 2A@5VDC
	Current Consumption	550mA@5VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	50 x 109 x 81 mm
	Weight	Approx. 0.24 kg
	Mount	35 mm DIN rail mounting
Environment	Protection Structure	IP20
	Storage Temperature	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	-10° ~ 50°C (14° ~122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	EasyBuilder Pro	V6.03.02 or later versions
	Weincloud	EasyAccess 2.0 (Optional)
	CODESYS®	V3.5 SP10 Patch 3 or later

* CODESYS® is a trademark of CODESYS GmbH

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Dimensions
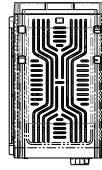
Top View
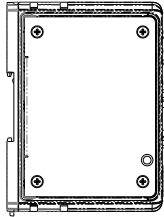
Side View

Front View

Side View

50mm [1.97"]   81mm [3.19"]   109mm [4.29"]
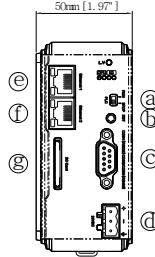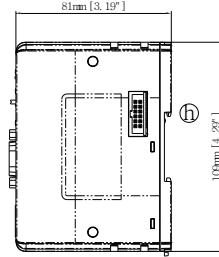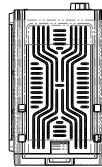
Bottom View

a	RUN/STOP switch	**e**	Ethernet 1
b	Reset Button	**f**	Ethernet 2
c	COM1: RS-232 2W, COM2: RS-485 2W/4W, COM3: RS-485 2W	**g**	SD Card Slot
d	Power Connector	**h**	Expansion Connector

Ordering Information

❑ **cMT-CTRL01:**
CODESYS PLC with Gateway, 4GB flash memory, 512MB RAM on board

❑ **RZACEA020** (optional):
EasyAccess 2.0 Activation Card

Pin Assignment:

COM1 [RS232], COM2 / COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS-232] 2W	COM2 [RS-485] 2W	COM2 [RS-485] 4W	COM3 [RS-485] 2W
1				Data+
2	RxD			
3	TxD			
4				Data-
5		GND		
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	

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