

## CODESYS PLC with IIoT Gateway



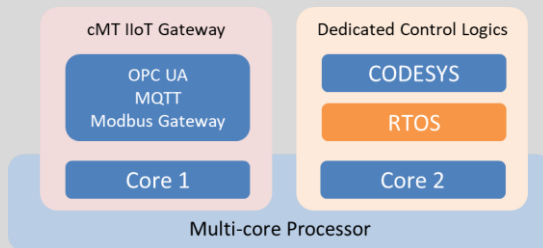
(I/O modules not included)

### 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

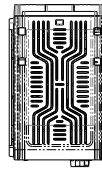
- COM2 / COM3 RS-485 2W Supports MPI 187.5K
- Supports OPC UA Server/Client and MQTT
- Modbus TCP/IP Gateway



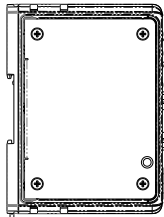
<b>Memory</b>	Flash	4 GB
	RAM	512 MB
	Data, Memory, Code Retain area	3 MB
	Persistent area	16 KB (every minute) (Kept after reboots)
	File system	16 KB (every minute) (Kept after downloads)
<b>Processor</b>		Dual-Core 32-bit RISC 1GHz
<b>I/O Port</b>	SD Card Slot	SD/SDHC
	Ethernet	Ethernet 1: 10/100/1000 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
<b>CODESYS RTC</b>	Protocol	Modbus TCP/IP Master, EtherCAT Master
<b>Power</b>	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
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
<b>Specification</b>	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	50 x 109 x 81 mm
	Weight	Approx. 0.24 kg
	Mount	35 mm DIN rail mounting
<b>Environment</b>	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)
<b>Certificate</b>	CE	CE marked
	UL	cULus Listed
<b>Software</b>	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

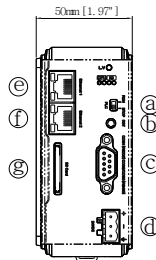
## Dimensions



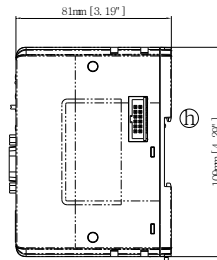
Top View



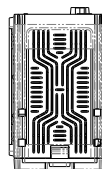
Side View



Front View



Side View



Bottom View

<b>a</b>	RUN/STOP switch	<b>e</b>	Ethernet 1
<b>b</b>	Reset Button	<b>f</b>	Ethernet 2
<b>c</b>	COM1: RS-232 2W, COM2: RS-485 2W/4W, COM3: RS-485 2W	<b>g</b>	SD Card Slot
<b>d</b>	Power Connector	<b>h</b>	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]		COM3 [RS-485] 2W
		2W	4W	
1				Data+
2	RxD			
3	TxD			
4				Data-
5	GND			
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	

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