

cMT-FHDX-820

cMT X Headless



Key Features

- ▶ Supports external 16:9 / 4:3 LCD monitor output for HMI video and audio
- ▶ Supports high-definition video output up to 1920 × 1080 resolution
- ▶ Supports cross-platform HMI monitoring via cMT Viewer
- ▶ COM port × 3, Ethernet port × 2, USB host port × 1, microSD slot × 1
- ▶ Built-in 4 GB FLASH and 1 GB RAM
- ▶ Fan-less cooling system

Technical Specifications

Memory

FLASH	4 GB
RAM	1 GB

Processor

CPU	Quad-core RISC
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I/O Port

Memory Card Type	microSD × 1
USB Host	USB 2.0 × 1
Ethernet	LAN 1: 10/100/1000 Base-T × 1 LAN 2: 10/100 Base-T × 1
COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W
HDMI Output	Customizable (max. resolution 1920 × 1080)
Recommended Resolutions	720 × 480
	720 × 576
	800 × 600
	1024 × 768
	1280 × 720
	1920 × 1080
WiFi	N/A
RS-485 Dual Isolation	N/A
CAN Bus	N/A
Audio Output	HDMI audio output

* The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

* Please use these recommended screen resolutions to avoid compatibility issues.

Power

Input Power	24 ± 20 % VDC
Power Isolation	Built-in
Power Consumption	850 mA @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

Mechanical

Enclosure	Plastic
Dimensions W×H×D	29.8 × 130 × 115 mm
Weight	Approx. 0.24 kg
Mount	35 mm DIN rail mounting

Environment

PCB Coating	Yes
Protection Structure	IP20

Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
Operating Temperature	0° ~ 50°C (32° ~ 122°F)
Relative Humidity	10 % ~ 90 % (non-condensing)
Altitude	3,000 m
Vibration Endurance	10 to 25 Hz (X, Y, Z direction 2G 30 minutes)

Certificate

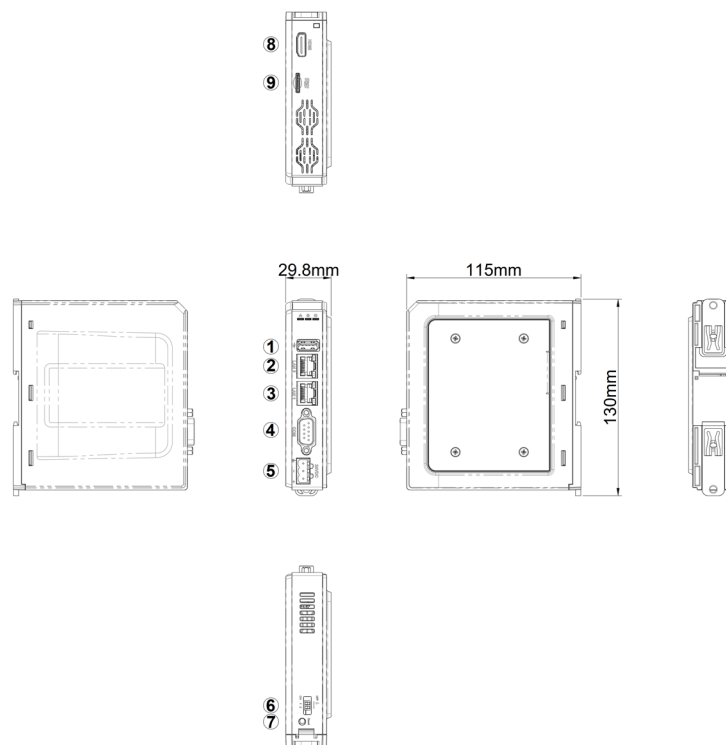
CE	CE Marked
UL	cULus Listed

Software

EasyBuilder Pro	V6.09.02 or later versions
Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
CODESYS®	Optional

* CODESYS® is a trademark of CODESYS GmbH.

Dimensions



1	USB Host
2	LAN 2
3	LAN 1
4	COM1: RS-232 2W, COM2: RS-485 2W/4W, COM3: RS-485 2W

5	Power Connector
6	DIP Switch
7	Reset Button
8	HDMI Port
9	microSD Card Slot

Pin Assignment

COM: 9 Pin, D-sub, Male

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

Part Number

【cMT-FHDX-820】

Built-in 4 GB FLASH / 1 GB RAM, 10/100/1000 M Ethernet port × 1, 10/100 M Ethernet port × 1

Optional:

RZACEA020: EasyAccess 2.0 Activation Card

RZ0CDS000: CODESYS License