



GMT Series

“Future X Interface”

We provide the most advanced and stable HMI product solutions

1

IIoT Solution

EasyAccess 2.0

« Factory Office »



For More Info!

1. Push Notification

- Get notified on the mobile phone, wherever you might be.



2. Pass-Through

- EasyAccess 2.0 can remotely debug or update devices without adjusting firewall settings.
- Tune or reprogram remote devices while using their original software.

3. Remote Monitoring

- Monitor and control the remote machine with VNC or cMT Viewer.
(available on PC/ iOS/ Android)



The HMI is not just for operating machines, collecting and managing data, but also plays a key role in IIoT as a Communication Gateway. The data in the device connected to HMI can be published to IIoT system.

2 IloT Solution OPC UA



For More Info!

cMT-G01/G02/G03/G04 Features

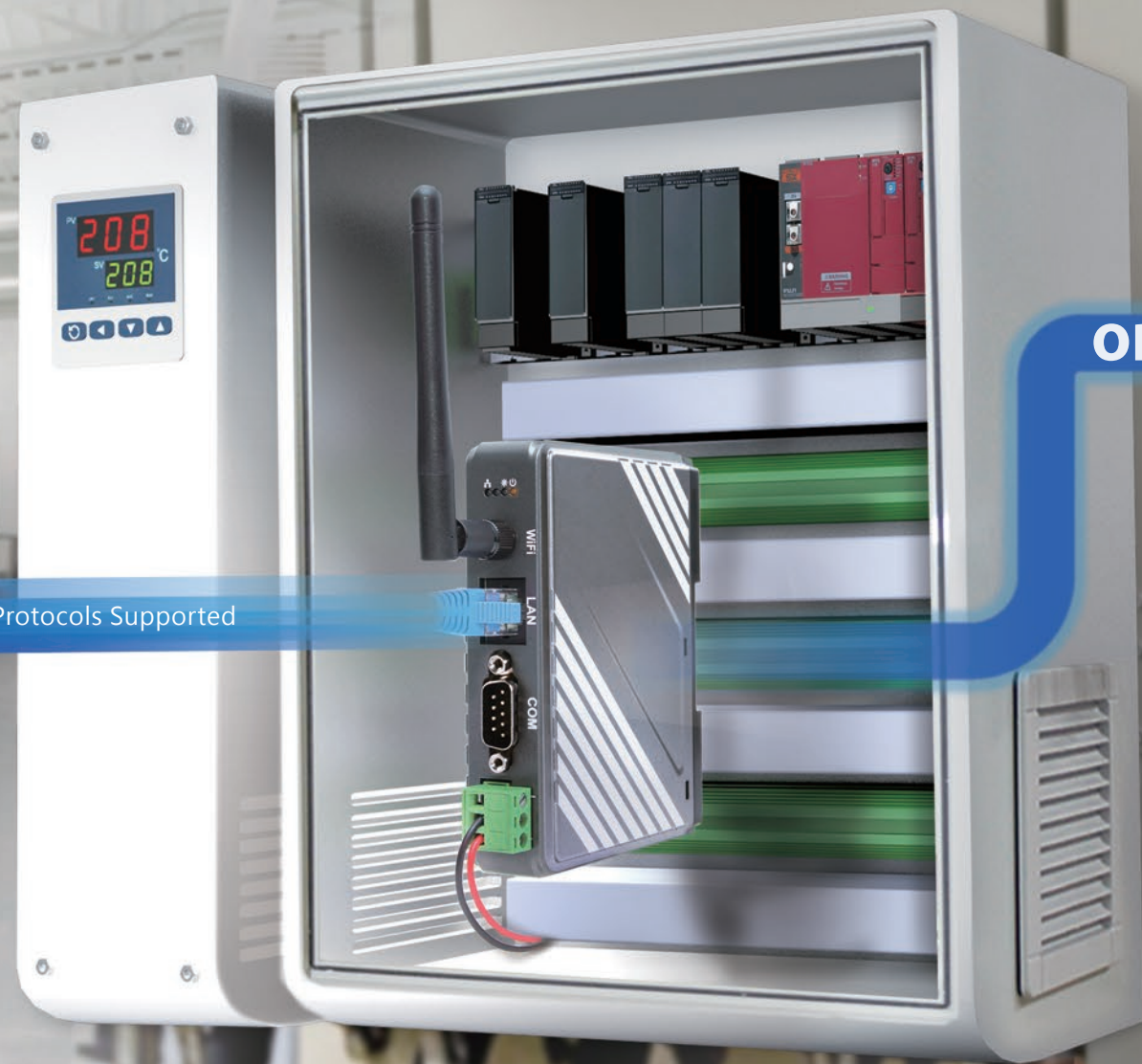
With the de-facto IloT protocols standard: OPC UA built-in, cMT-G01/cMT-G02/ cMT-G03/cMT-G04 can well fit into lots of applications to provide a standard communication interface, and then to integrate real time data from different devices.

OPC UA

Support OPC UA

- DF1
- S7-1200
- MPI
- MC Protocol
- IEC 104

300+ Protocols Supported



OPC UA

OPC UA

Built-in OPC UA server & client. OPC UA Server officially certified for compliance by the OPC Foundation can ensure seamless device integration in any application.

Web server can be used to change OPC UA communication settings, add/modify/delete OPC UA nodes and their corresponding PLC data, or change PLC communication parameters (Serial or Ethernet).



*The OPC Foundation compliance logos are the property of OPC Foundation and are used under license.

cMT-G01/G02/G03/G04

The Smart Communication Gateway with Data Processing Capability of an HMI to Facilitate IloT Integration.

3

IIoT Solution

Cloud Data Centering



For More Info!



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 * Amazon Web Services is a trademark of Amazon.com, Inc. or its affiliates in the United States and/or other countries.

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IIoT Solution

Database Integration



For More Info!

MySQL
MS SQL Server

Shared recipes

Access or manage recipes on database server.

History logs

Transfer sampling logs and event/alarm logs to database server.

SQL Query

Use SQL language to access database, calculate statistics, filter or analyze data, and read/write records.

Database Integration

HMI can access data, records, or recipes from a database server directly. HMI send SQL (Structured Query Language) queries to read or write database records. Built-in data samplings and event logs can also be synchronized automatically to database servers.

5 Solution Smart HMI



For More Info!

EasyLauncher / cMT Viewer

- cMT Viewer APP
- cMT Smart Monitor and Control - Monitor Mode
- Application Management - EasyLauncher



Monitor Mode
Up to 50 HMIs can be monitored simultaneously.



cMT-iV & cMT-IPC

cMT Series realizes "One Machine to Multi-Screens" architecture that can flexibly suit diverse application. Both of them can run cMT Viewer to display the instant and historical data or operate cMT-SVR. Furthermore, Windows-based cMT-IPC can run third party applications.



cMT-SVR

cMT-SVR is equipped with COM port and dual Ethernet ports, enabling it to connect to controllers and efficiently perform arithmetic operations, or process data such as Recipes, Data Sampling, and Event/Data Log.



Solution

cMT+CODESYS & Remote I/O



For More Info!



(cMT Series with CODESYS)

HMI

- Visualization with EasyBuilder Pro
- Support IIoT protocol standards: MQTT & OPC UA

CODESYS®

- Support CANopen & MODBUS TCP/IP
- Support Remote I/O

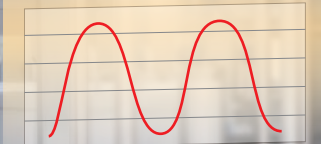
* CODESYS® is a trademark of 3S-Smart Software Solutions GmbH



cMT Series

cMT HMI is a combo that integrates high-performance HMI with CODESYS PLC controller system on an innovative architecture where a duo-core CPU runs two independent operating systems. With the multi-core processor, cMT HMI + CODESYS is able to not only provide data visualization with an operable user interface but also run controller logic, and the two systems run independently without mutual interference.

Flow Sensor
Volume Flow



← Remote I/O

Heater Portion Valve

SV 41.19 °C
PV 41.12 °C

Remote I/O ▶

Push buttons

- Good
- Too High
- Too Low

Remote I/O ▶



iR-COP / iR-ETN / iR-ECAT Coupler + I/O modules

- Cost-effective and Compact Solution
- Modularized design
 - Support CANopen, MODBUS TCP/IP Server, EtherCat® Slave

* EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

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Solution HMI with External Touch Monitor / TV of Your Own Choice

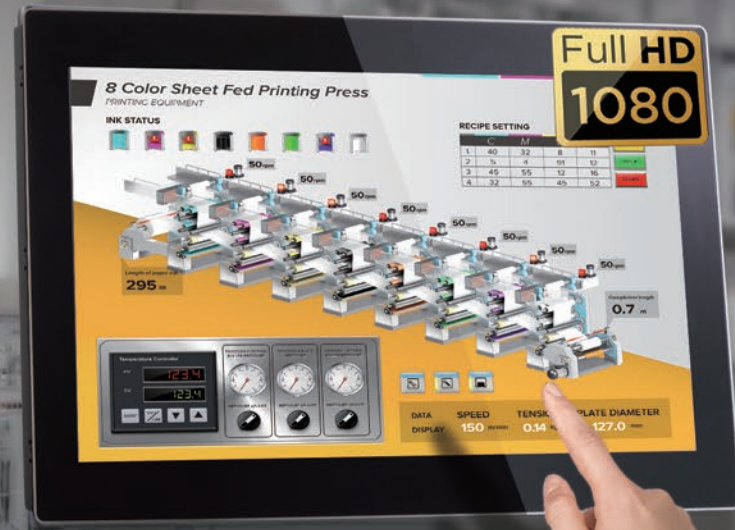


For More Info!

Features



- Built-in HDMI interface and adjustable resolution up to 1920x1080
- Support various industrial touch monitors
- Support wide input voltage range 10.5 ~ 28 VDC
- Support IIoT Protocol: MQTT



cMT-iM21

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



cMT-FHD

cMT-FHD has inherits all the rich HMI functionality found in the series. Without touchscreen and LCD, this HDMI-enabled unit can work with screens of any size, so that screen size is no longer limited by the HMIs provided on the market. It can also allow touch control via USB connection.

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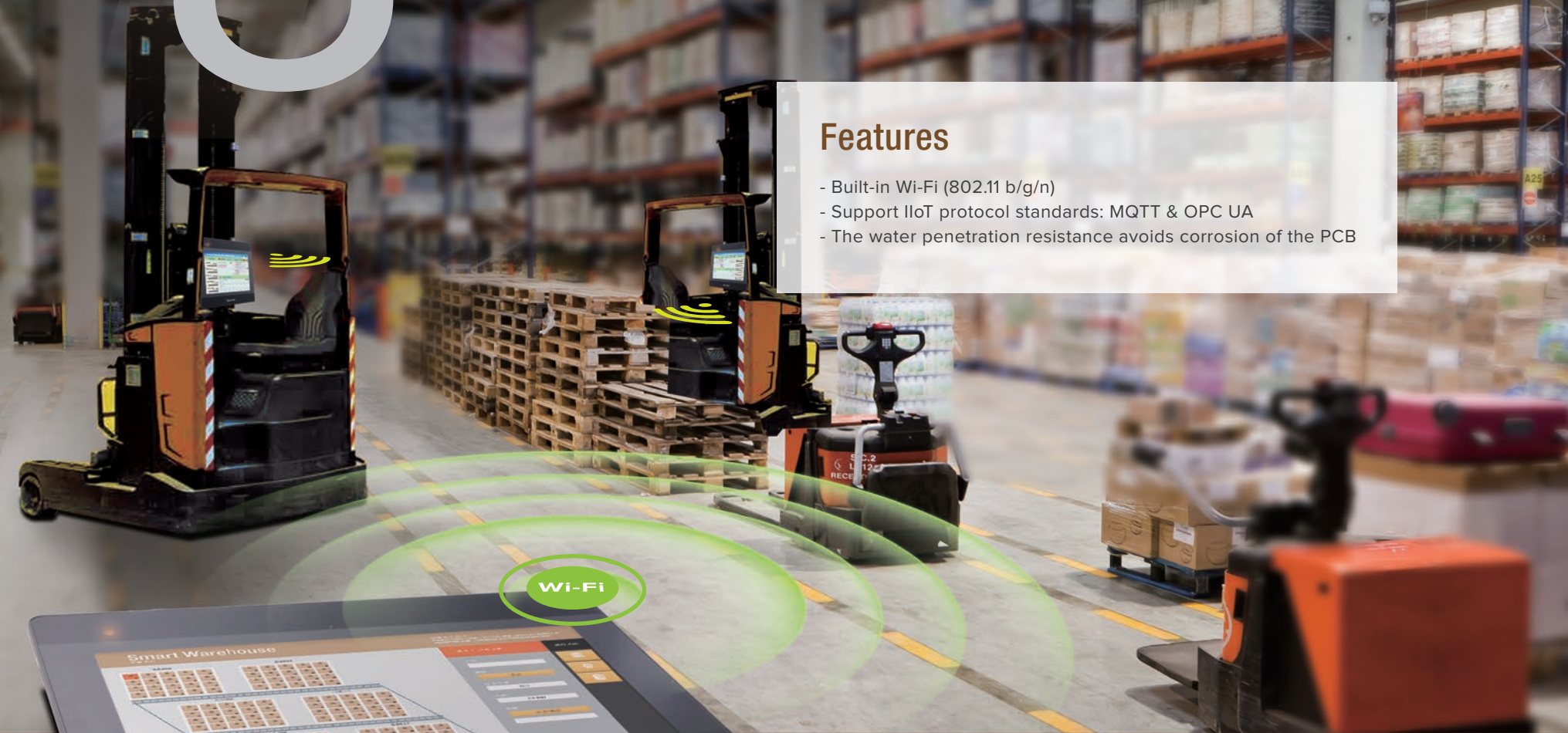
Solution Wireless Solution



For More Info!

Features

- Built-in Wi-Fi (802.11 b/g/n)
- Support IIoT protocol standards: MQTT & OPC UA
- The water penetration resistance avoids corrosion of the PCB



cMT3103

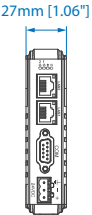
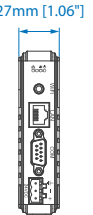
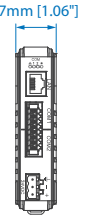
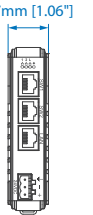
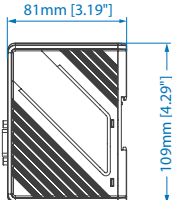
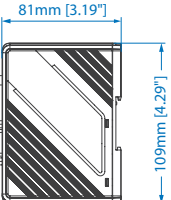
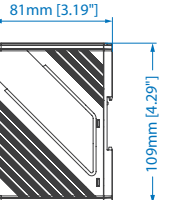
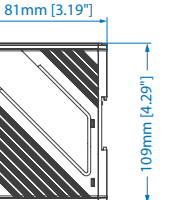





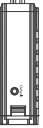


Offering a secure access point to an existing Wi-Fi network that can provide a unified, reliable, and easy way to manage applications in which wiring options may be limited by the environment.

Specification



	Model	cMT-G01	cMT-G02	cMT-G03	cMT-G04
Memory	Flash	256 MB	256 MB	256 MB	256 MB
	RAM	256 MB	256 MB	256 MB	256 MB
Processor		32-bit RISC 600MHz	32-bit RISC 600MHz	32-bit RISC 528MHz	32-bit RISC 528MHz
I/O Port	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 1	10/100 Base-T x 1	LAN: 10/100 Base-T x 1 SW1, SW2: 10/100 Base-T x 1 (2 port Ethernet switch)
	WiFi	N/A	IEEE 802.11 b/g/n 802.11b: max 15.88 dBm 802.11g: max 11.92 dBm 802.11n: max 11.28 dBm	N/A	N/A
	COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W, RS-485 2W/4W COM2: RS-232 2W, RS-485 2W/4W	N/A
RTC		Built-in	Built-in	Built-in	Built-in
Power	Input Power	24±20%VDC	10.5~28VDC	10.5~28VDC	10.5~28VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	230mA@24VDC	230mA@12VDC ; 115mA@24VDC	300mA@12VDC ; 150mA@24VDC	270mA@12VDC ; 150mA@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes	Yes	Yes	Yes
	Enclosure	Plastic	Plastic	Plastic	Plastic
	Dimensions WxHxD	27 x 109 x 81 mm	27 x 109 x 81 mm	27 x 109 x 81 mm	27 x 109 x 81 mm
	Weight	Approx. 0.14 kg	Approx. 0.14 kg	Approx. 0.14 kg	Approx. 0.14 kg
	Mount	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting
Environment	Protection Structure	IP20	IP20	IP20	IP20
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
Certificate	CE	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	N/A	N/A
Software		EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)

Dimensions

cMT-G01	cMT-G02	cMT-G03	cMT-G04
 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>
Front View	Front View	Front View	Front View
 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>
Side View	Side View	Side View	Side View
			
Top View	Top View	Top View	Top View
			
Bottom View	Bottom View	Bottom View	Bottom View

Specification



Model		cMT-SVR-100	cMT-SVR-102	cMT-SVR-200	cMT-SVR-202	cMT-FHD	cMT-iM21
Display	Display	N/A		N/A		21.5" TFT	
	Resolution	N/A		N/A		Full HD 1920 x 1080*	
	Brightness (cd/ m ²)	N/A		N/A		250	
	Contrast Ratio	N/A		N/A		1000:1	
	Backlight Type	N/A		N/A		LED	
	Backlight Life Time	N/A		N/A		>30,000 hrs.	
	Colors	N/A		N/A		16.7M	
	LCD Viewing Angle (T/B/L/R)	N/A		N/A		80/80/85/85	
Touch Panel	Type	N/A		N/A		Tempered Glass, Capacitive Type (Supports 2-Finger Gestures) Hardness Scale 6H	
Memory	Flash	256 MB		256 MB		4 GB	
	RAM	256 MB		256 MB		1 GB	
Processor		32-bit RISC 600MHz		32-bit RISC 600MHz		32-bit RISC 1GHz (Two 2D Graphics Engine)	
I/O Port	SD Card Slot	SD/SDHC		SD/SDHC		N/A	
	USB Host	USB 2.0 x 1		USB 2.0 x 1		USB 2.0 x 1	
	USB Client	N/A		N/A		N/A	
	Ethernet	10/100/1000 Base-T x 2		10/100/1000 Base-T x 1		LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	
	WiFi	N/A		IEEE 802.11 b/g/n 802.11b: max 18.01 dBm 802.11g: max 11.02 dBm 802.11n: max 12.20 dBm		N/A	
	COM Port	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W		COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W		COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	
	HDMI	N/A		N/A		Resolution 1920 x 1080 (customizable)	
	Audio Output	N/A		N/A		HDMI Audio Output	
Video Input	N/A		N/A		N/A		
RTC		Built-in		Built-in		Built-in	
Power	Input Power	24±20%VDC		10.5~28VDC		10.5~28VDC	
	Power Isolation	Built-in		Built-in		Built-in	
	Power Consumption	230mA@24VDC		100mA@12VDC ; 450mA@24VDC		1250mA@12VDC ; 550mA@24VDC	
	Voltage Resistance	500VAC (1 min.)		500VAC (1 min.)		500VAC (1 min.)	
	Isolation Resistance	Exceed 50MΩ at 500VDC		Exceed 50MΩ at 500VDC		Exceed 50MΩ at 500VDC	
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)		10 to 25Hz (X, Y, Z direction 2G 30 minutes)		10 to 25Hz (X, Y, Z direction 2G 30 minutes)	
			10 to 25Hz (X, Y, Z direction 2G 30 minutes)		10 to 25Hz (X, Y, Z direction 2G 30 minutes)		10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes		Yes		Yes	
	Enclosure	Plastic		Plastic		Plastic	
	Dimensions WxHxD	27 x 130 x 115 mm		27 x 130 x 115 mm		29.8 x 130 x 115 mm	
	Panel Cutout	N/A		N/A		N/A	
	Weight	Approx. 0.18 kg		Approx. 0.18 kg		Approx. 0.24 kg	
	Mount	35 mm DIN rail mounting		35 mm DIN rail mounting		35 mm DIN rail mounting	
Environment	Protection Structure	IP20		IP20		IP20	
	Storage Temperature	-20° ~ 70° C (-4° ~ 158° F)		-20° ~ 70° C (-4° ~ 158° F)		-20° ~ 60° C (-4° ~ 140° F)	
	Operating Temperature	-20° ~ 55° C (-4° ~ 131° F)		-10° ~ 55° C (14° ~ 131° F)		0° ~ 50° C (32° ~ 122° F)	
	Relative Humidity	10% ~ 90% (non-condensing)		10% ~ 90% (non-condensing)		10% ~ 90% (non-condensing)	
Certificate	CE	CE marked		CE marked		CE marked	
	UL	cULus Listed				cULus Listed	
Software		EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro EasyAccess 2.0 (Optional)	N/A

*cMT-iM21: Pixel Pitch (mm) 0.2479 (H) x 0.2479 (V).

*cMT-iM21: Protection Structure IP65 can be expected when waterproof gasket is properly installed.

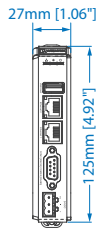
Dimensions

cMT-SVR100 / cMT-SVR102

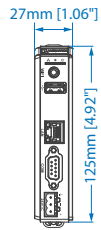
cMT-SVR-200 / cMT-SVR-202

cMT-FHD

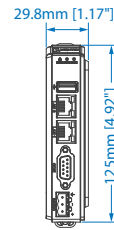
cMT-IM21



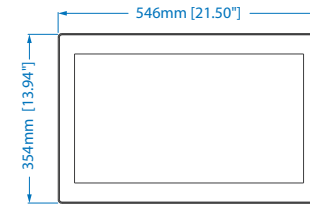
Front View



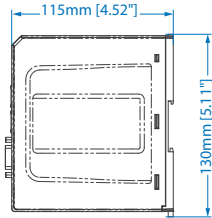
Front View



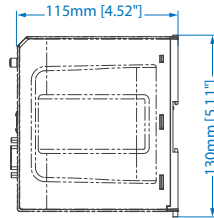
Front View



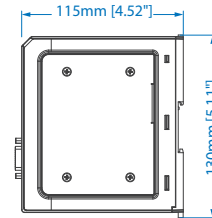
Front View



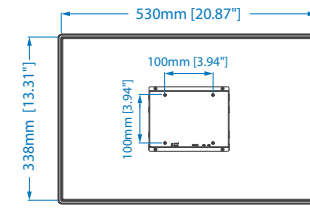
Side View



Side View



Side View



Rear View



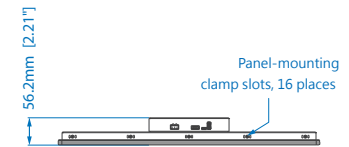
Top View



Top View



Top View



Bottom View



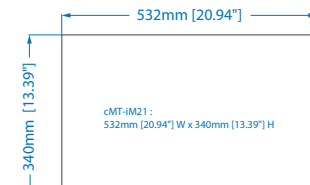
Bottom View



Bottom View



Bottom View



Cutout Dimensions

Specification



	Model	cMT-iV6	cMT-iPC10	cMT-iPC15
Display	Display	9.7" TFT	9.7" TFT	15" TFT
	Resolution	1024 x 768	1024 x 768	1024 x 768
	Brightness (cd/ m')	350	350	400
	Contrast Ratio	500: 1	500: 1	700: 1
	Backlight Type	LED	LED	LED
	Backlight Life Time	> 30,000 hrs.	> 30,000 hrs.	> 50,000 hrs.
	Colors	262K	262K	16.2M
	LCD Viewing Angle (T/B/L/R)	60/70/70/70	60/70/70/70	70/70/80/80
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	4 GB	64 GB (SSD)	64 GB (SSD)
	RAM	1 GB	4 GB	4 GB
Processor		32-bit RISC 1GHz	Intel Atom® E3827 processor	Intel Atom® E3827 processor
I/O Port	SD Card Slot	SD/SDHC	SD/SDHC/SDXC	SD/SDHC/SDXC
	USB Host	N/A	USB 2.0 x 2 / USB 3.0 x 1	USB 2.0 x 2 / USB 3.0 x 1
	USB Client	N/A	N/A	N/A
	Ethernet	10/100/1000 Base-T x 1	10/100/1000 Base-T x 2	10/100/1000 Base-T x 2
	WiFi	N/A	N/A	N/A
	COM Port	N/A	N/A	N/A
	RS-485 Dual Isolation	N/A	N/A	N/A
	CAN Bus	N/A	N/A	N/A
	Audio Output	Built-in Mono Speaker	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1
	RTC		Built-in	Built-in
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC
	Power Isolation	Built-in	Built-in	Built-in
	Power Consumption	900mA@24VDC	1.5A@24VDC	2A@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes	Yes	Yes
	Enclosure	Plastic	Plastic	Aluminum
	Dimensions WxHxD	260.6 x 203.1 x 36.5 mm	260.6 x 203.1 x 44.5 mm	366 x 293 x 54.2 mm
	Panel Cutout	250 x 192 mm	250 x 192 mm	352 x 279 mm
	Weight	Approx. 0.92 kg	Approx. 1.1 kg	Approx. 2.76 kg
	Mount	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 70° C (-4° ~ 158° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
Certificate	CE	CE marked	CE marked	CE marked
	UL		cULus Listed	cULus Listed
Software		cMT Viewer	*Windows® 7 / Windows® 8.1 / Windows® 10 IoT Enterprise (EasyLauncher + cMT Viewer)	*Windows® 7 / Windows® 8.1 / Windows® 10 IoT Enterprise (EasyLauncher + cMT Viewer)

* cMT-iPC10/ cMT-iPC15: License of Windows OS is excluded.

* Intel Atom is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Specification



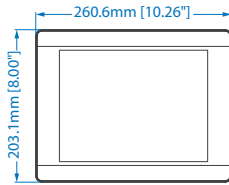
	Model	cMT3071	cMT3072	cMT3090	cMT3103	cMT3151	
Display	Display	7" TFT	7" IPS	9.7" TFT	10.1" TFT	15" TFT	
	Resolution	800 x 480*	1024 x 600*	1024 x 768	1024 x 600	1024 x 768	
	Brightness (cd/ m ²)	400	450	350	350	400	
	Contrast Ratio	800: 1		500:1	500:1	700: 1	
	Backlight Type	LED		LED	LED	LED	
	Backlight Life Time	>30,000 hrs.	>25,000 hrs.	>30,000 hrs.	>50,000 hrs.	>50,000 hrs.	
	Colors	16.7M		262K	16.7M	16.2M	
LCD Viewing Angle (T/B/L/R)	60/80/80/80	85/85/85/85	60/70/70/70	60/60/70/70	70/70/80/80		
Touch Panel	Type	4-wire Resistive Type		4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type / 5-wire Resistive Type	
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%		Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	
Memory	Flash	4 GB		4 GB	4 GB	4 GB	
	RAM	1 GB		1 GB	1 GB	1 GB	
Processor		32-bit RISC 1GHz		32-bit RISC 1GHz	32-bit RISC 1GHz	32-bit RISC 1GHz	
I/O Port	SD Card Slot	N/A		SD/SDHC	N/A	SD/SDHC	
	USB Host	USB 2.0 x 1		USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	
	USB Client	N/A		N/A	N/A	USB 2.0 x 1 (Micro USB)	
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1		LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1		10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
		WiFi	N/A		N/A	IEEE 802.11 b/g/n 802.11b: max 19.25 dBm 802.11g: max 13.74 dBm 802.11n: max 15.01 dBm	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*		Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*		Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	COM1: RS-232/RS-485 2W/4W COM3: RS-232/RS-485 2W*
	RS-485 Dual Isolation	N/A		N/A	N/A	N/A	Yes
	CAN Bus	Yes		Yes	Yes	Yes	Yes
	Audio Output	N/A		Built-in Mono Speaker	N/A	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1	
	RTC	Built-in		Built-in	Built-in	Built-in	
Power	Input Power	10.5~28VDC		24±20%VDC	10.5~28VDC	24±20%VDC	
	Power Isolation	Built-in		Built-in	Built-in	Built-in	
	Power Consumption	2A@12VDC ; 1A@24VDC		900mA@24VDC	2A@12VDC ; 1A@24VDC	900mA@24VDC	
	Voltage Resistance	500VAC (1 min.)		500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	
	Isolation Resistance	Exceed 50MΩ at 500VDC		Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)		10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	
	Specification	PCB Coating	Yes		Yes	Yes	Yes
Enclosure		Plastic		Plastic	Plastic	Aluminum	
Dimensions WxHxD		200.3 x 146.3 x 35.0 mm		260.6 x 203.1 x 36.5 mm	271 x 213 x 36.4 mm	366 x 293 x 48.2 mm	
Panel Cutout		192 x 138 mm		250 x 192 mm	260 x 202 mm	352 x 279 mm	
Weight		Approx. 0.6 kg		Approx. 0.92 kg	Approx. 1.07 kg	Approx. 2.45 kg	
Mount		Panel mount		Panel mount, VESA mount 75 x 75 mm	Panel mount	Panel mount, VESA mount 75 x 75 mm	
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel		UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel	NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel	
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)		-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 60° C (-4° ~ 140° F)	-20° ~ 70° C (-4° ~ 158° F)	
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)		0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	0° ~ 50° C (32° ~ 122° F)	
	Relative Humidity	10% ~ 90% (non-condensing)		10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	
Certificate	CE	CE marked		CE marked	CE marked	CE marked	
	UL	cULus Listed		cULus Listed	cULus Listed	cULus Listed	
Software	EasyBuilder Pro EasyAccess 2.0 (Optional) CODESYS (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0 CODESYS (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0 CODESYS (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0 CODESYS (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro Built-in EasyAccess 2.0 CODESYS (Optional)	

*cMT3071: Pixel Pitch (mm) 0.1926(H) x 0.179(V). / cMT3072: Pixel Pitch (mm) 0.1506(H) x 0.1432(V).

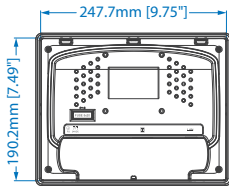
*cMT3071/ cMT3072/ cMT3090/ cMT3103/ cMT3151: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

Dimensions

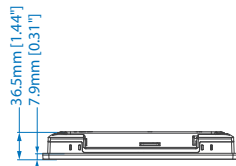
cMT-iV6



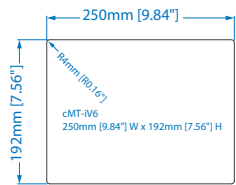
Front View



Rear View

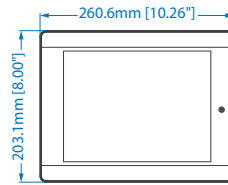


Bottom View

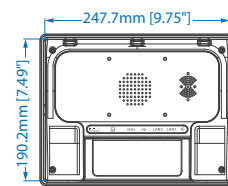


Cutout Dimensions

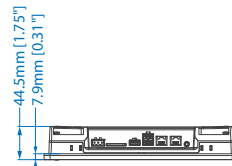
cMT-iPC10



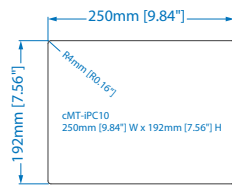
Front View



Rear View

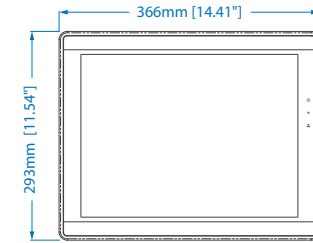


Bottom View

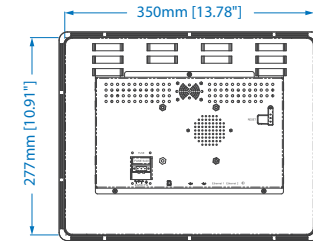


Cutout Dimensions

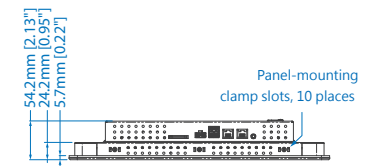
cMT-iPC15



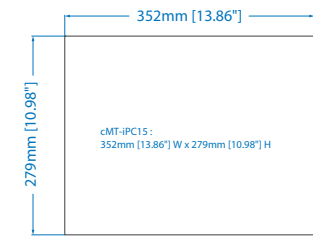
Front View



Rear View



Bottom View



Cutout Dimensions

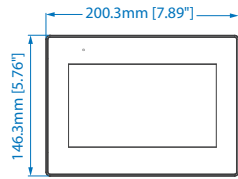
Dimensions

cMT3071 / cMT3072

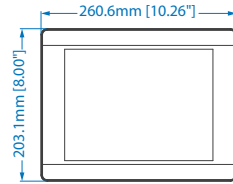
cMT3090

cMT3103

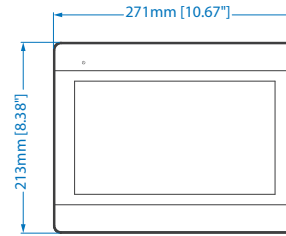
cMT3151



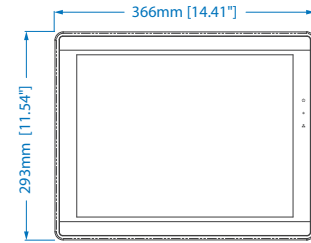
Front View



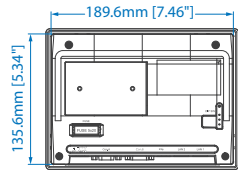
Front View



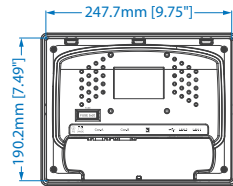
Front View



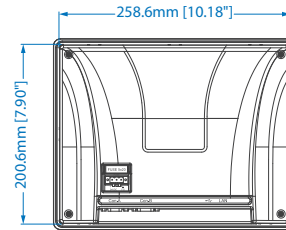
Front View



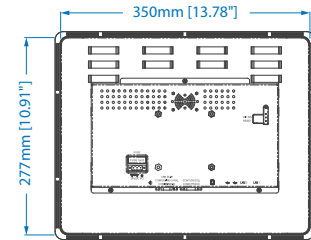
Rear View



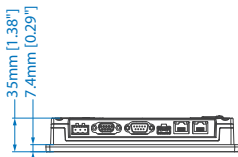
Rear View



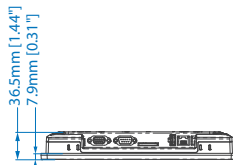
Rear View



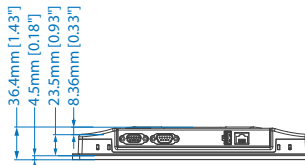
Rear View



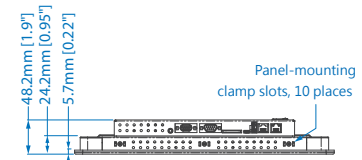
Bottom View



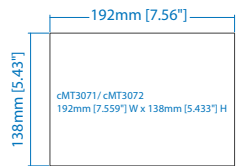
Bottom View



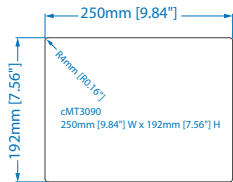
Bottom View



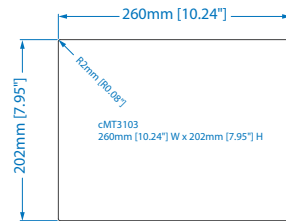
Bottom View



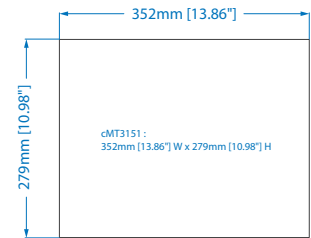
Cutout Dimensions



Cutout Dimensions



Cutout Dimensions



Cutout Dimensions

iR Series



Communication Interface Specifications

		Model	iR-ETN	iR-COP	iR-ECAT
Expansion I/O module	Number of Bus Terminals		Depends on Power Consumption	Depends on Power Consumption	Depends on Power Consumption
	Digital Input Point		Max. 256	Max. 256	Max. 256
	Digital Output Point		Max. 128	Max. 128	Max. 128
	Analog Input Channel		Max. 64	Max. 64	Max. 64
	Analog Output Channel		Max. 64	Max. 64	Max. 64
Data Transfer Rate		10/100 Mbps	50k~1 Mbps	100 Mbps	
Max. Number of TCP/IP Connections		8 Connections			
Protocol		Modbus TCP/IP Server	CANopen Slave	EtherCat® Slave	
Power	Power Supply		24 VDC (-15%/+20%)	24 VDC (-15%/+20%)	24 VDC (-15%/+20%)
	Power Dissipation		Nominal 100mA@24VDC	Nominal 100mA@24VDC	Nominal 100mA@24VDC
	Current for Internal Bus		Max 2A@5VDC	Max 2A@5VDC	Max 2A@5VDC
	Current Consumption		220mA@5VDC	170mA@5VDC	270mA@5VDC
	Electrical Isolation		Network to Logic : Isolation Logic to Field power : Isolation	Network to Logic : Isolation Logic to Field power : Isolation	Network to Logic : Isolation Logic to Field power : Isolation
	Back-up Fuse		≤ 1.6A Self-recovery	≤ 1.6A Self-recovery	≤ 1.6A Self-recovery
	PCB Coating		Yes	Yes	Yes
	Enclosure		Plastic	Plastic	Plastic
	Dimensions WxHxD		27 x 109 x 81 mm	27 x 109 x 81 mm	27 x 109 x 81 mm
	Weight		Approx. 0.15 kg	Approx. 0.15 kg	Approx. 0.15 kg
Specification	Mount		35mm DIN rail mounting	35mm DIN rail mounting	35mm DIN rail mounting
	Protection Structure		IP20	IP20	IP20
	Storage Temperature		-20° ~ 70° C (-4° ~ 158° F)	-20° ~ 70° C (-4° ~ 158° F)	-20° ~ 70° C (-4° ~ 158° F)
	Operating Temperature		0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)
Environment	Relative Humidity		10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	EMC Immunity		Conforms to EN 55032: 2012+AC: 2013, Class A EN 61000-6-4: 2007+A1:2011 EN 55024: 2010+A1: 2015 EN 61000-6-2:2005	Conforms to EN 55032: 2012+AC: 2013, Class A EN 61000-6-4: 2007+A1:2011 EN 55024: 2010+A1: 2015 EN 61000-6-2:2005	Conforms to EN 55032: 2012+AC: 2013, Class A EN 61000-6-4: 2007+A1:2011 EN 55024: 2010+A1: 2015 EN 61000-6-2:2005
Certification					

Digital Input/Output Specifications



Model		iR-DI16-K	iR-DM16-P	iR-DM16-N
Number of Inputs		16	8	8
Input Logic		Sink or Source	Sink or Source	Sink or Source
Number of Outputs		0	8	8
Output Logic		N/A	Source	Sink
Current Consumption		83mA@5VDC	130mA@5VDC	130mA@5VDC
HIGH Level Input Voltage		15~28VDC	15~28VDC	15~28VDC
LOW Level Input Voltage		0~5 VDC	0~5 VDC	0~5 VDC
Output Voltage		N/A	11~28VDC	11~28VDC
Output Current		N/A	0.5A per channel (Max 4A)	0.5A per channel (Max 4A)
Specification		Enclosure Plastic Dimensions WxHxD 27 x 109 x 81 mm Weight Approx. 0.12 kg Mount 35mm DIN rail mounting		
Environment		Protection Structure IP20 Storage Temperature -20° ~ 70° C (-4° ~ 158° F) Operating Temperature 0° ~ 55° C (32° ~ 131° F) Relative Humidity 10% ~ 90% (non-condensing)		
Connection		Cross-section AWG 28-16		
Certification		EMC Immunity Conforms to EN 55032: 2012+AC: 2013, Class A; EN 61000-6-4: 2007+A1:2011; EN 55024: 2010+A1: 2015; EN 61000-6-2:2005		



Model		iR-DQ16-P	iR-DQ16-N	iR-DQ08-R
Number of Inputs		0	0	0
Input Logic		N/A	N/A	N/A
Number of Outputs		16	16	8
Output Logic		Source	Sink	Relay
Current Consumption		196mA@5VDC	205mA@5VDC	220mA@5VDC
HIGH Level Input Voltage		N/A	N/A	N/A
LOW Level Input Voltage		N/A	N/A	N/A
Output Voltage		11~28VDC	11~28VDC	250VAC/ 30VDC
Output Current		0.5A per channel (Max 4A)	0.5A per channel (Max 4A)	2A per channel (Max 8A)
Specification		Enclosure Plastic Dimensions WxHxD 27 x 109 x 81 mm Weight Approx. 0.12 kg Mount 35mm DIN rail mounting		
Environment		Protection Structure IP20 Storage Temperature -20° ~ 70° C (-4° ~ 158° F) Operating Temperature 0° ~ 55° C (32° ~ 131° F) Relative Humidity 10% ~ 90% (non-condensing)		
Connection		Cross-section AWG 28-16		
Certification		EMC Immunity Conforms to EN 55032: 2012+AC: 2013, Class A; EN 61000-6-4: 2007+A1:2011; EN 55024: 2010+A1: 2015; EN 61000-6-2:2005		



Analog Input/Output Specifications

Model		iR-AI04-VI	iR-AM06-VI	iR-AQ04-VI
Number of Analog Inputs		4 ($\pm 10V / \pm 20mA$)	4 ($\pm 10V / \pm 20mA$)	0
Number of Analog outputs		0	2 ($\pm 10V / \pm 20mA$)	4 ($\pm 10V / \pm 20mA$)
Current Consumption		70mA@5VDC	70mA@5VDC	65mA@5VDC
Analog Power Supply		24 VDC(20.4 VDC~28.8 VDC) (-15%~+20%)	24 VDC(20.4 VDC~28.8 VDC) (-15%~+20%)	24 VDC(20.4 VDC~28.8 VDC) (-15%~+20%)
Specification	PCB Coating	Yes		
	Enclosure	Plastic		
	Dimensions WxHxD	27 x 109 x 81 mm		
	Weight	Approx. 0.12 kg		
	Mount	35mm DIN rail mounting		
Environment	Protection Structure	IP20		
	Storage Temperature	-20° ~ 70° C (-4° ~ 158° F)		
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)		
	Relative Humidity	10% ~ 90% (non-condensing)		
	Cross-section	AWG 28-16		AWG 24-16
Connection				
Certification	EMC Immunity	Conforms to EN 55032: 2012+AC: 2013, Class A; EN 61000-6-4: 2007+A1:2011; EN 55024: 2010+A1: 2015; EN 61000-6-2:2005		



Temperature Specifications

Model		iR-AI04-TR
Number of Input Channels		4 (RTD/ Thermocouple)
Current Consumption		65mA@5VDC
Analog Power Supply		24 VDC(20.4 VDC~28.8 VDC) (-15%~+20%)
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	27 x 109 x 81 mm
	Weight	Approx. 0.12 kg
	Mount	35mm DIN rail mounting
Environment	Protection Structure	IP20
	Storage Temperature	-20° ~ 70° C (-4° ~ 158° F)
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Cross-section	AWG 28-16
Connection		
Certification	EMC Immunity	Conforms to EN 55032: 2012+AC: 2013, Class A; EN 61000-6-4: 2007+A1:2011; EN 55024: 2010+A1: 2015; EN 61000-6-2:2005



Quick Feature Comparison

	Gateway cMT-G01 / cMT-G02 cMT-G03 / cMT-G04	cMT-FHD	cMT-SVR-100	cMT-SVR-200	cMT3071	cMT3072	cMT3090	cMT3103	cMT3151
Audio Output		via HDMI					●		●
WiFi	cMT-G02			●				●	
cMT Viewer		●	●	●	●	●	●	●	●
3G/4G Dongle			●	●	●	●	●	●	●
Control Token		●	●	●	●	●	●	●	●
e-Mail	●	●	●	●	●	●	●	●	●
Ethernet Printer		●			●	●	●	●	●
VNC Server		●			●	●	●	●	●
Web Streaming		●	●	●	●	●	●	●	●
Window Animation		●	●	●	●	●	●	●	●
Combo Object		●	●	●	●	●	●	●	●
File Browser		●			●	●	●	●	●
Media Player		●			●	●	●	●	●
PDF Reader		●			●	●	●	●	●
Operation Log		●	●	●	●	●	●	●	●
Picture Viewer		●			●	●	●	●	●
Video In - IP Camera		●			●	●	●	●	●
Energy Demand Display		●	●	●	●	●	●	●	●
MQTT	●	●	●	●	●	●	●	●	●
OPC UA Client	●	●	●	●	●	●	●	●	●
OPC UA Server	●	Optional	Optional	Optional	●	●	●	●	●
Database Server	●	●	●	●	●	●	●	●	●
SQL Query		●	●	●	●	●	●	●	●
CODESYS					Optional	Optional	Optional		Optional
EasyAccess 2.0	Optional	Optional	cMT-SVR-100 Optional cMT-SVR-102 Built-in License	cMT-SVR-200 Optional cMT-SVR-202 Built-in License	Optional	Built-in License	Built-in License	Built-in License	Built-in License



WEINTEK

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Weintek

Since the foundation of the company in October of 1995, Weintek Labs., Inc. has been committing itself to being a leading-edge designer and manufacturer of graphic operator interfaces, also known as HMI (Human Machine Interfaces), in Taiwan. We took our rich experience as HMI specialists and set the HMI product standard with state-of-the-art technology, efficient manufacturing, conscientious and careful testing, and global specialized support.

The company's missions are to provide its customers with quality products and superior service as well as to share the fruits of its good teamwork with all of its employees, by which we are able to achieve the goals of establishing a reputation as a leading brand in the industry and ensuring sustainability of the operation and development of enterprise.



RoHS ISO 9001:2015

EN / 2019.06

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