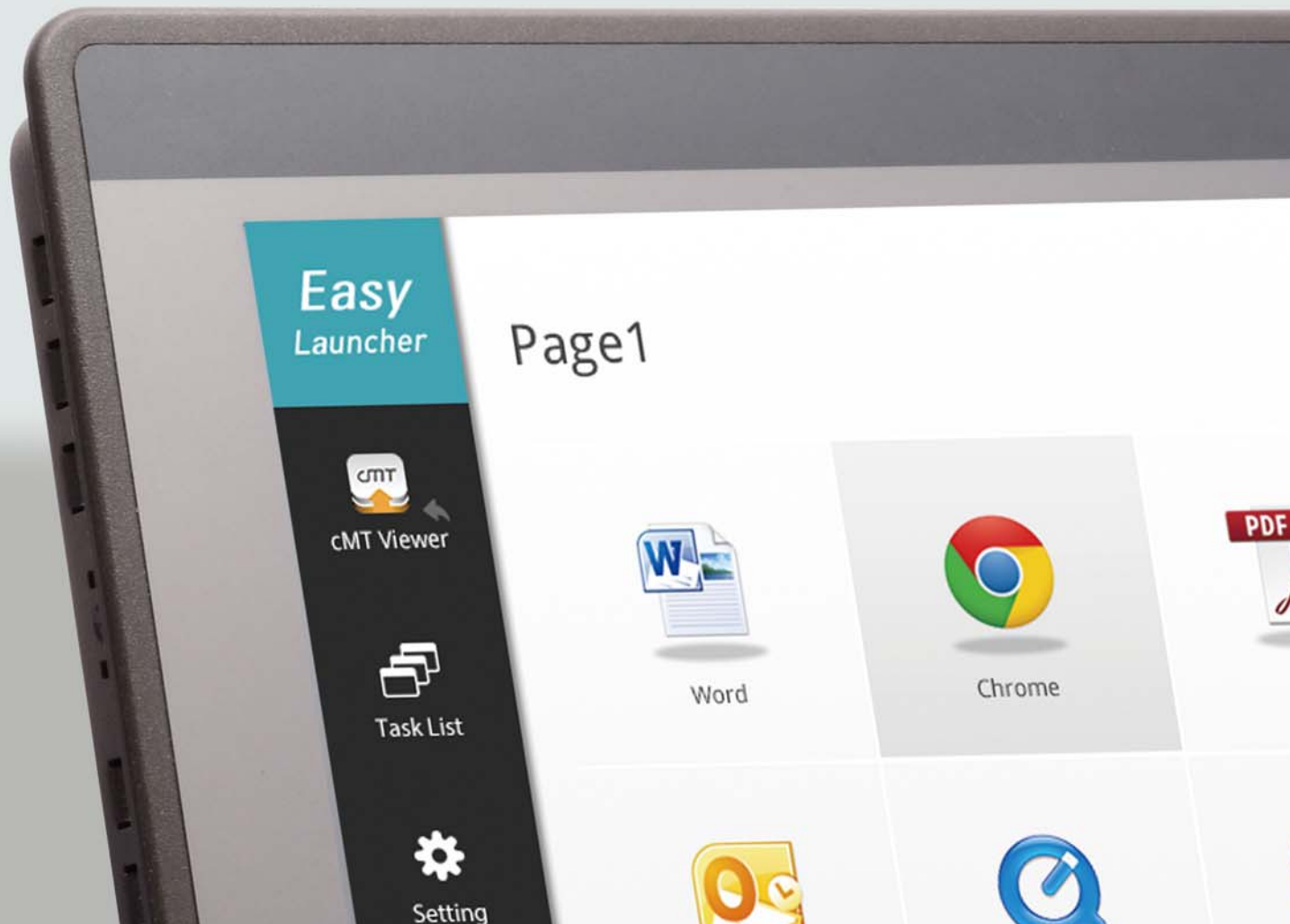




CMT Series

Professionals in Human Machine Interface

We provide the most advanced and stable HMI product solutions



SOLUTION 1

You can control HMI and execute the third party APPs at the same time!

cMT-iPC15 is based on x86-based architecture and running on WINDOWS operating system. With EasyLauncher software, you can easily access those third party APPs, such as: MS Office, PDF Reader, Media player, and many more; together with cMT Viewer, you can monitor and control the HMI at the same time.



cMT-SVR Hardware features



Powerful CPU

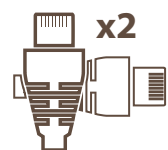
600MHz

13.8 s

Booting speed

4.9 s

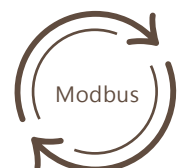
Speed of PLC Data*



Dual Ethernet ports

2 RJ-45 ports

Fast communication speed, high data transmission reliability, and two mutually independent networks.



High connectivity

250+ Drivers

The cMT-SVR's Modbus communication gateway enables the host computer to connect with more than 250 different kinds of controllers.



Wireless adapter

3G Dongle

A portable device attached to the USB port to enable an HMI to connect to 3G network.

cMT-iPC15 Hardware features



Ultra-high performance CPU

1.75 GHz Dual-core 64bit
Intel HD Graphics

2565 (Score)

Benchmark from PCMARK

6.39399 Mpx/s

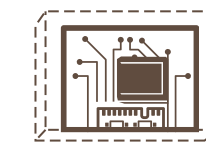
Image manipulation



High resolution display

1024x768 pixels
15 Inch

Boast excellent graphics display.



Powerful features

32GB SSD
4GB RAM

Offer perfect multi-tasking performance in various industrial environments.



Fast transmission interface

USB 3.0

480 Mbit/s

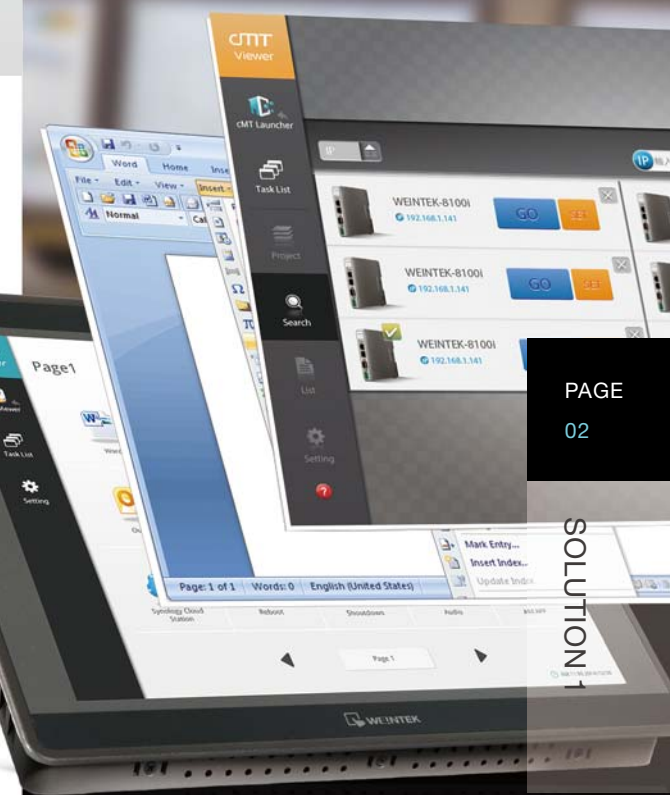
USB 2.0

5 Gbit/s

USB 3.0



EasyLauncher is an APP launcher tool running on Panel PC (ex: cMT-iPC15). It allows you to get quick access to your favorite APPs.



* Read 100 consecutive registers of Modbus TCP/IP device and then do calculation. The result will be written back to the original register.

SOLUTION 2

You can have more flexible installations to operate your HMI!

You can install your cMT-SVR and PLC in the same control cabinet and install one or more cMT-iV5s located on any place of the machine for connecting to the same cMT-SVR.



cMT-iV5 & cMT-SVR

The cMT-SVR is dedicated to data processing and communication protocol conversion, while you can use one or more cMT-iV5s to control and monitor the cMT-SVR with the same display.



cMT-iV5

Hardware features

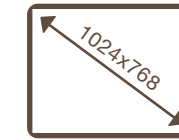


Powerful features

1GHz Dual-core CPU
1GB RAM

Boast excellent graphics performance.

1.3 s
2MB/10Page
JPG File Display



High resolution display

9.7 Inch
1024x768 pixels

Boast excellent graphics display.



Unprecedented operating experience

7H Tempered glass
Capacitive Touch panel

The Multi-touch panel makes your operating experience extremely smooth and easy.

■ Resistive VS. ■ Capacitive (Touch Panel)

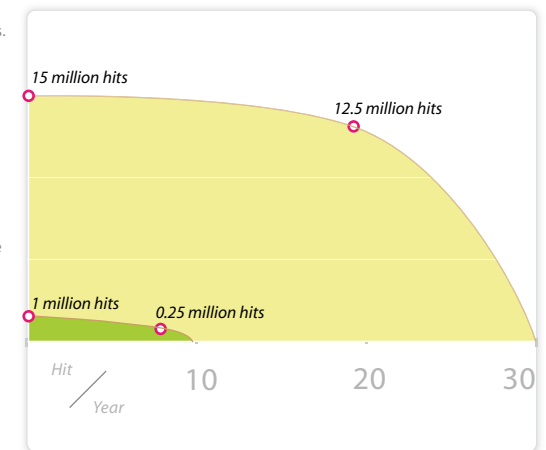
Capacitive touch panel
The capacitive touch panel can detect traces of electrical current from the finger to the point touched in order to identify the touch point X-Y coordinates.



Resistive touch panel
When the operator touches the resistive touch panel, the upper film and lower layer of ITO glass come into contact generating a signal that identifies the X-Y coordinates of the touch point.



Lifecycle (Hitting durability)





Video input
Any abnormal events can be recorded for issue tracking.



CUPS protocol supported
Support most of the printers on the market.

SOLUTION 3

HMI is also a HMI server!

cMT3151 adopts dual-core CPU which greatly increases its performance of data/graphic processing. cMT3151 is not only operating like a conventional HMI, but also working as a server. You can use cMT Viewer, which is running on cMT-iPC15 or cMT-iV5, to connect to cMT3151 for monitoring and controlling.



cMT-3151

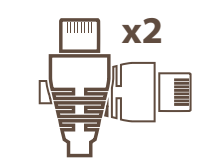
Hardware features



Ultra-high speed CPU

1GHz Dual-core CPU

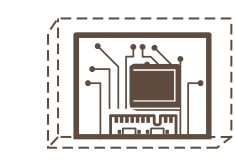
- 9.48 s** Booting speed
- 3.7 s** Speed of PLC Data (100 Words)
- 0.9 s** JPG File Display (2MB/10Page)



Dual Ethernet ports

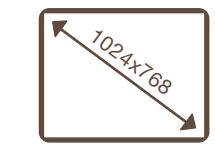
2 RJ-45 ports

Fast communication speed, high data transmission reliability, and two mutually independent networks.



Powerful features

4GB Flash
1GB RAM
Provide sufficient storage and fast data / graphic processing.



High resolution display

15^{inch}
1024x768 pixels
Boast excellent graphics display.



Pleasant sound

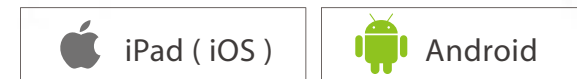
3.5 mm jack x 1

A leap from the traditional monotone, mechanical sound, the beautiful sound played when touching the panel makes every touch a pleasure to the ear.

MOBILE SOLUTION

The cMT Series aims to increase the capacity, productivity, and efficiency of your system. The cMT Viewer running on iPad and Android tablets allows you to monitor the operational status of machines anywhere on the plant floor, with immediate access to real-time information, alarms, and events.

We support







(cMT-SVR/cMT3151 can be connected by cMT Viewer)



REMOTE SOLUTION

EasyAccess 2.0 enables you to access remote HMIs from anywhere in the world. You do not need to memorize the HMI's IP address, spend time on setting up the router, or configuring the complicated port mapping. Just simply activate EasyAccess 2.0 service on your HMI and execute EasyAccess 2.0 APP on your PC/Tablet to remotely access this HMI.

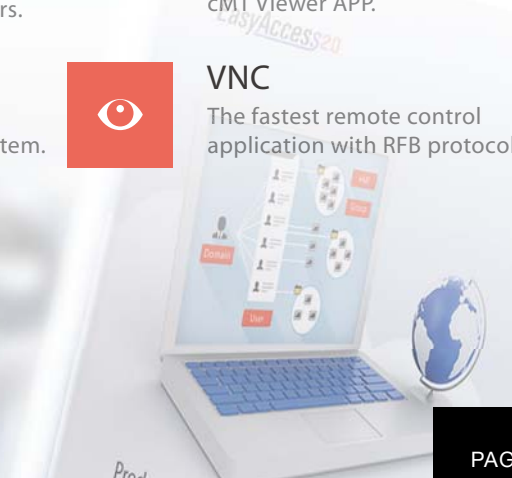
What can we do?

-  **Pass-through**
Execute PLC ladder program to modify the remote PLC's parameters.
-  **HMI manage**
Manage your HMI on EasyAccess 2.0 web system.
-  **cMT Viewer**
Monitor and control the remote HMI's EB project with cMT Viewer APP.
-  **VNC**
The fastest remote control application with RFB protocol.



Connect to your HMIs.
(cMT3151 / cMT SVR)

Launch EasyAccess 2.0 app on your
PC/Panel PC/Tablet PC/iPad/Android tablet.



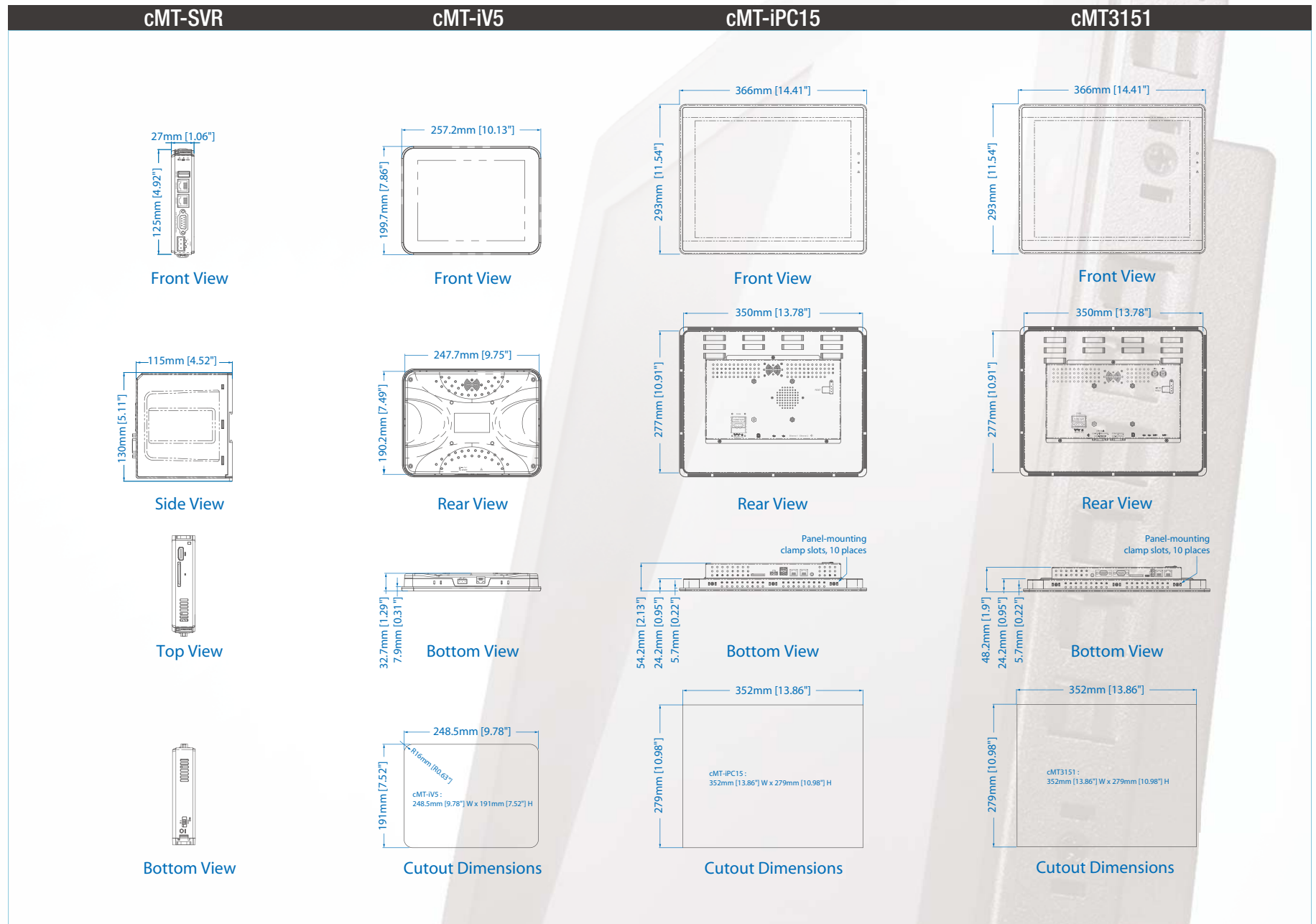
Specification



Model		cMT-SVR	cMT-iV5	cMT-IPC15	cMT3151
Display	Display	N/A	9.7" TFT	15" TFT	15" TFT
	Resolution	N/A	1024 x 768	1024 x 768	1024 x 768
	Brightness (cd/m ²)	N/A	350	400	400
	Contrast Ratio	N/A	500:1	700:1	700:1
	Backlight Type	N/A	LED	LED	LED
	Backlight Life Time	N/A	>30,000 hrs.	>50,000 hrs.	>50,000 hrs.
Touch Panel	Colors	N/A	262K	16.2M	16.2M
	Type	N/A	Tempered Glass, Capacitive Type	4-wire Resistive Type	4-wire Resistive Type
Memory	Accuracy	N/A	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%	Active Area Length(X)±2%, Width(Y)±2%
	Flash	256 MB	512 MB	32 GB (SSD)	4 GB
Processor	RAM	256 MB	1 GB	4 GB	1 GB
		32 bits RISC Cortex-A8 600MHz	32 bits RISC Cortex-A9 1GHz	Intel Atom E3827	32 bits RISC Cortex-A9 1GHz
I/O Port	SD Card Slot	SD/SDHC	N/A	SD/SDHC/SDXC	SD/SDHC
	USB Host	USB 2.0 x 1	N/A	USB 2.0 x 2 / USB 3.0 x 1	USB 2.0 x 1
	USB Client	N/A	N/A	N/A	USB 2.0 x 1 (Micro USB)
	Ethernet	10/100/1000 Base-T x 2	10/100/1000 Base-T x 1	10/100/1000 Base-T x 2	10/100/1000 Base-T x 1
	COM Port	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	N/A	N/A	COM1: RS-232/RS-485 2W/4W COM3: RS-232/RS-485 2W*
	RS-485 Dual Isolation	N/A	N/A	N/A	Yes
	CAN Bus	N/A	N/A	N/A	Yes
	Audio Output	N/A	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
	Video Input	N/A	N/A	N/A	NTSC/PAL RCA x 2
	RTC Power	Built-in	Built-in	Built-in	Built-in
Input Power		24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
Power Isolation		Built-in	Built-in	Built-in	Built-in
Power Consumption		230mA@24VDC	900mA@24VDC	2A@24VDC	900mA@24VDC
Voltage Resistance		500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
Isolation Resistance		Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 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	Aluminum	Aluminum
	Dimensions WxHxD	130 x 115 x 27 mm	257.2 x 199.7 x 32.7 mm	366 x 293 x 54.2 mm	366 x 293 x 48.2 mm
	Panel Cutout	N/A	248.5 x 191 mm	352 x 279 mm	352 x 279 mm
	Weight	Approx. 0.18 kg	Approx. 0.76 kg	Approx. 2.76 kg	Approx. 2.45 kg
	Mount	35mm DIN rail mounting	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	IP20	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° ~ 70°C (-4° ~ 158°F)	-20° ~ 60°C (-4° ~ 140°F)	-20° ~ 70°C (-4° ~ 158°F)	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	-20° ~ 55°C (-4° ~ 131°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	cMT Viewer	*Windows 7 / Windows 8.1 (EasyLauncher+cMT Viewer)	EasyBuilder Pro

* cMT-IPC15: License of Windows OS is excluded.
*cMT3151: COM1 RS-232 RTS/CTS and COM3 RS-232 cannot be used simultaneously.

Dimensions





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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.