Open HMI

600

Professional In
Human Machine Interface

WEINTEK

OPEN HMI | *Truly Pro, Simply Easy*

600

Operator Interface

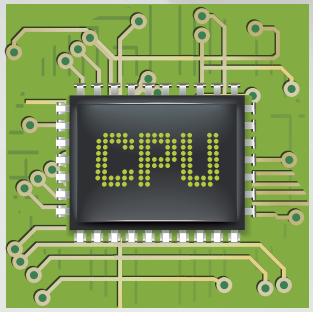
Highest Standards · Ultimate Aesthetics
The Aluminum Casing Technique
(eMT Series)

Aluminum

The aluminum casing technique improves HMI operation temperature to -20~50℃ , and efficiently avoids the noise interactions among devices.

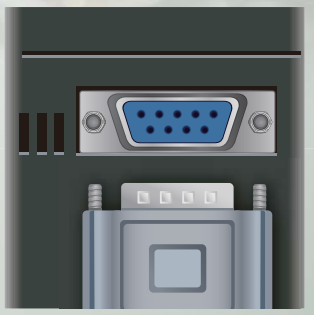
Galvanic Isolation

This isolation protects HMI and your devices from destructions caused by voltage jump. The design for safe isolation complies with safety standards and requirements.



800 MHz A8 CPU

Cortex A8 processor core can operate at a high speed of 800 MHz, which greatly enhances the efficiency.



CAN Bus Supported

CAN Bus can be used in harsh environment for long distance and high speed data transmission. CAN bus is interference resistant, highly extensible which performs great communications.

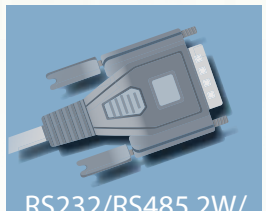
USB Printer

USB Mouse

SD Card

Ethernet

Wireless Device


RS232/RS485 2W/
4 W Port ,CAN Bus

USB Barcode
Device

USB Keyboard

I/O Device

MT600 Open HMI products equipped with RS232/485 /Ethernet /USB /SD Card standard interface for easier connection with printers, mouses, and keyboards etc.

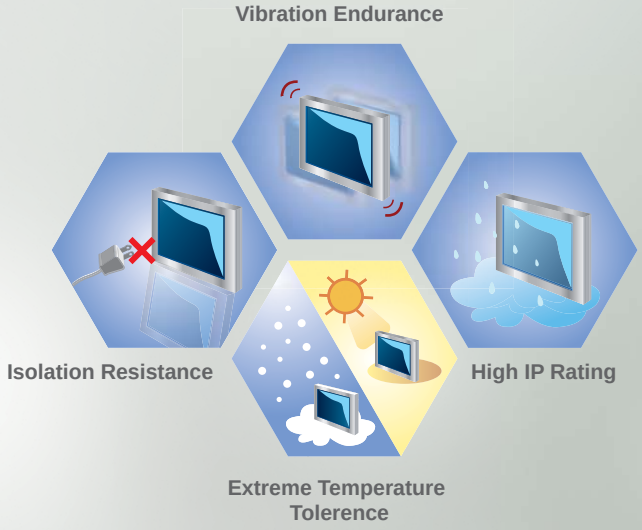
Members of the MT600 Family

Open HMI

Visual Studio, Embedded C++, Net, or the third party SCADA software can be used based on the need of your project to customize the environment and manage the development. Weintek Open HMI product is a complete and open solution.

Windows Embedded CE 6.0

Industrial Grade HMI



WinCE 5.0 (i Series)

Windows CE(WinCE) is the operating system Microsoft especially designs for embedded system. Compared with general Windows systems, WinCE meets the required features compact Kernel, customization, portability and real-time for embedded devices. Moreover, WinCE system can be run on hardware platform more reliably as well as provide higher compatibility in the development interface of Win32 API.

Since the kernel of WinCE succeeds WinNT technique, and combine MT600 hardware with 32bit real-time OS, it's easy for desktop programmers to develop the application or directly convert the software to WinCE platform.

On top of that, Weintek MT600 series support up-to-date software development tools for platforms integration such as DotNet CF.SQL Mobile .XML,etc. More than enhancing the Ethernet function, we provide a variety of network protocols for such as VoIP.

In multimedia, in addition to DirectX, we add COM-based (Component Object Model) project development model—Direct3D Mobile. Users are able to adopt 3D visual design in their applications.

Features in CE 6.0 *(eMT Series)*

eMT600 Series Embedded CE 6.0 enriches your experience in application. The innovative techniques and functionalities develop a dynamic user interface for your professionalized equipments and at the same time strengthen the online service of Windows 7 PC, servers. Windows Embedded CE 6.0 is designed for the cooperation with designers and developers to improve the performance of user interface and reduce the time and cost in development and therefore to enhance the support of device improvement.

Internet Explorer Embedded

Internet Explorer with panning and zooming capabilities and a customizable interface to optimize the browsing experience on devices

Flash Lite

Browser plug in to render rich media websites

Connection Manager

Infrastructure technology to manage multiple network interfaces on the device

Silverlight for Windows Embedded

The power of Silverlight brought to Windows Embedded CE to create rich applications and user interfaces

Touch and Gesture

Plug-in engine to enable natural input capabilities and gesture animations

Microsoft Office and PDF Viewers

Applications to render Microsoft Office Word, PowerPoint, Excel and Adobe PDF content on the device

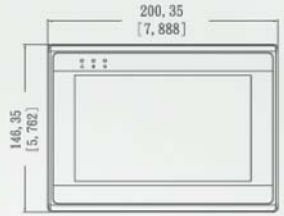
eMT600

		eMT607A	eMT610P	eMT612A	eMT615A
Display	Display	7” TFT	10.4” TFT	12.1” TFT	15” TFT
	Max. Color	16.7M	262K	16.2M	16.2M
	Resolution	800x480	800x600	1024x768	1024x768
	Brightness (cd/m²)	500	400	500	350
	Contrast Ratio	500:1	400:1	700:1	700:1
	Backlight Type	LED	LED	LED	LED
	Backlight Life Time	30,000 hrs	30,000 hrs	50,000 hrs	50,000 hrs
Touch Panel	Type	4-wires, resistive type			
Enclosure		Aluminum	Plastic	Aluminum	Aluminum
Memory	Storage (MB)	256 MB	256 MB	256 MB	256 MB
	RAM (MB)	256 MB	256 MB	256 MB	256 MB
Processor	Processor	32Bit RISC CPU 600MHz	32Bit RISC CPU 800MHz	32Bit RISC CPU 800MHz	32Bit RISC CPU 800MHz
	OS	Windows CE 6.0			
I/O Port	SD Card Slot	Yes	Yes	Yes	Yes
	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	USB Client	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	10/100 Base-T	10/100 Base-T	10/100 Base-T	10/100 Base-T
	COM Port	COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W), CAN bus			
	Audio	Audio Line Out - 3.5 mm jack x 1			
RTC		Built-in	Built-in	Built-in	Built-in
Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
	Power Consumption	400mA@24V	800mA@24V	850mA@24V	900mA@24V
Specification	Panel Cutout (mm)	192 x 138mm	259 x 201 mm	305 x 231 mm	352 x 279 mm
	Weight (kg)	Approx 0.9kg	Approx 1.6kg	Approx 2.1kg	Approx 2.75kg
Certificate	CE	EN 55022:2006+A1:2007 , EN 61000-3-2:2006+A2:2009 .EN 61000-3-3:2008, EN 55024:1998+A1:2001+A2:2003			
Operation	Protection Structure	IP66 front panel (O ring seal)	IP65 front panel (O ring seal)	IP66 front panel (O ring seal)	IP65 front panel (O ring seal)
	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 Temperatu	-20°~50°C (-4°~122°F)	0°~50°C (32°~122°F)	0°~50°C (32°~122°F)	0°~50°C (32°~122°F)

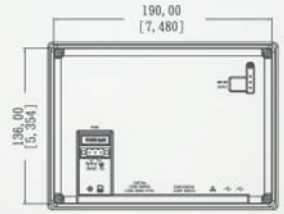
eMT600

eMT607A

Front View



Rear View

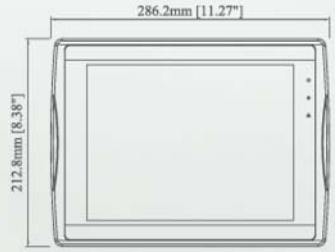


Bottom View

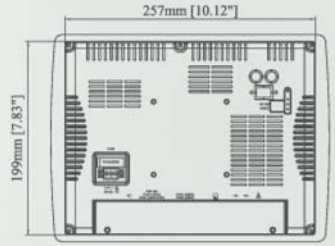
Panel Cutout

eMT610P

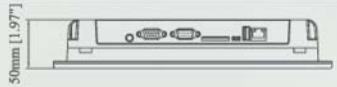
Front View



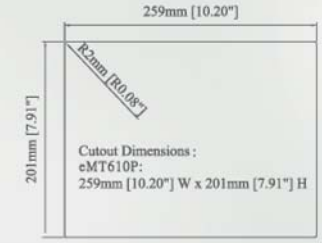
Rear View



Bottom View



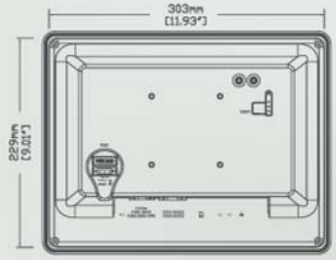
Panel Cutout



eMT612A

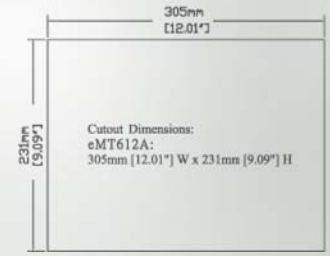
Front View

Rear View



Bottom View

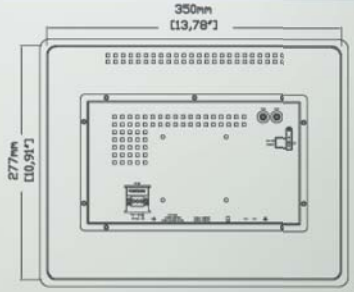
Panel Cutout



eMT615A

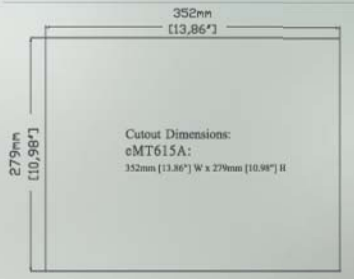
Front View

Rear View



Bottom View

Panel Cutout



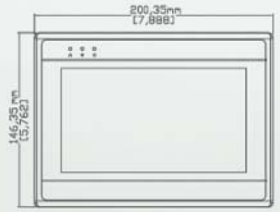
MT600 i

		MT607i (widescreen)	MT610i (widescreen)
Display	Display	7" TFT LCD	10" TFT LCD
	Max. Color	65536	65536
	Resolution	800x480	800x480
	Brightness (cd/m^2)	500	300
	Contrast Ratio	500:1	500:1
	Backlight Type	LED	LED
	Backlight Life Time	30,000hr	30,000hr
Touch Panel	Type	4-wires, resistive type	
Enclosure		Plastic	Plastic
Memory	Storage (MB)	128MB Flash Memory	128MB Flash Memory
	RAM (MB)	64MB	64MB
Processor	Processor	400MHz(RISC)	400MHz(RISC)
	OS	Windows CE 5.0	
I/O Port	SD Card Slot	Yes	Yes
	USB Host	USB Host 1.1 x 1	USB Host 1.1 x 1
	USB Client	USB Client 2.0 x 1	USB Client 2.0 x 1
	Ethernet	10/100 Base-T x 1	10/100 Base-T x 1
	COM Port	Com1(RS232/RS485 2w/4w), Com2(RS232),Com3(RS232/RS485 2w)	
	Audio	Line Out x 1	Line Out x 1
RTC		Yes	Yes
Power	Input Power	24±20%VDC	24±20%VDC
	Power Consumption	250mA @24VDC	300mA @24VDC
Specification	Panel Cutout (mm)	192x138	259x201
	Weight (kg)	0.85kg (1.87 lbs)	1.4kg (3.09 lbs)
Certificate	CE	EN 55022:2006,Class A. EN 61000-3-2:2006 .EN 61000-3-3:1955+A1:2001+A2;2005, EN 55024:1998+A1:2001+A2:2003	
Operation	Protection Structure	IP65 front panel (O ring seal)	IP65front panel (O ring seal)
	Storage Temperature	-20~60°C (-4 ~ 140 °F)	
	Operating Temperatu	0~50°C (32 ~ 122 °F)	

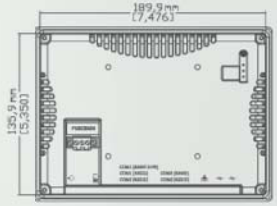
MT600 i

MT607i

Front View

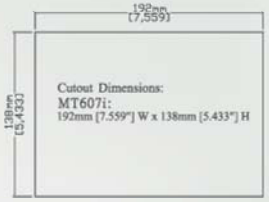


Rear View



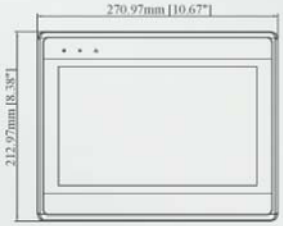
Bottom View

Panel Cutout

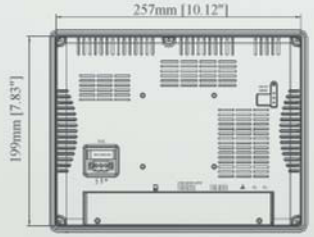


MT610i

Front View

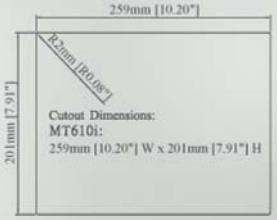


Rear View



Bottom View

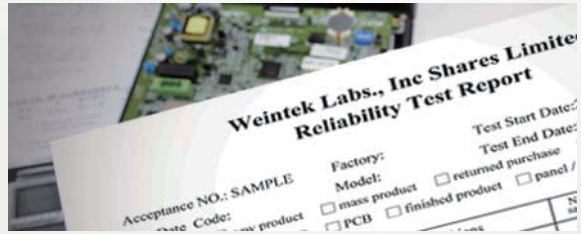
Panel Cutout



Quality

Weintek places a high value on Product Quality Assurance.

Weintek is very proficient in Software/ Hardware Research and Development, and also possesses strong product manufacturing abilities and quality control. For quality control, Weintek strictly enforces ISO9000 standards. From bringing raw materials into the factory to manufacturing and production, a variety of testing equipment and software are applied, such as: vibration testing, low/high temperature testing, touch testing, performance testing, and communication testing…This guarantees that all products from Weintek to your hand are subjected to strict quality checking systems.



In addition to the rigorous standard testing process, Weintek professional testing engineers provide dedicated testing processes for the special features of different types of HMI. By accumulating professional testing experience, when evaluating a specific product, problems can be identified and solved faster and more accurately.

Our HMI products pursue the highest standards for research and development, design, and production. While designing the products, the standards and testing processes of materials, parts, tools, and equipment are all carefully managed to comply with international safety standards and environmental protection: CE/UL/RoHS

In addition to the above, Weintek provides great customer service by establishing 2 major systems: Customer Relationship Management (CRM) system and Service Request for feedback. Weintek not only meets quality standards completely, it goes beyond the customers' expectation of product reliability.

Weintek

Taiwan · Weintek

Founded in 1995 in Taiwan, Weintek Labs. Inc., has dedicated itself to be a leading-edge designer and manufacturer of graphic operator interface, also known as Human Machine Interface. With a full line of products that range from all-in-one HMI solution to fully-loaded Windows CE and XP Embedded industrial computers, Weintek has a reliable and affordable operator interface for every application.

“Professional Supplier, Quality Product, Innovative R&D, Customer Satisfaction” are principals of Weintek business operations. Investing considerable budget and technical manpower in developing state-of-art technology, we pride ourselves on the introduction of many new and exciting products each year. Advanced facility, complete standardized operating procedure and rigid control system ensure the product quality to reach the highest standard. Since 2004, Weintek has been registered to ISO 9001:2000 and supervised by international quality organization, SGS.

We strongly believe that fulfilling customers’ satisfaction is our responsibility. Cooperating with experiential partners all over the world, we have well established the distribution channel in product promotion and local customer service. By efficiently work hand in hand among every link of the entire business, we have experienced yearly sales growth of more than 40%.Weintek started from domestic market under the brand name” EasyView”. In 1997 we expanded the sales territory overseas. With the remarkable sales success in China market, Shenzhen Weintek Labs., Inc. was established in 2004 under the brand name” WEINVIEW”.

The value of technology is to meet people’s needs. User-friendly, convenient and humanized products are the nature of the life and Weintek is the company to put this concept into practice.

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ISO 9000: 2008

English | October 2012