



Open HMI
MT600



MT600 Operator Interface

■ We are -- Dedicated & Professional in HMI

■ We insist -- Quality Products

■ We adopt -- State-of-the-Art Technology

■ We provide -- Satisfying Service

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.



ISO 9000: 2008

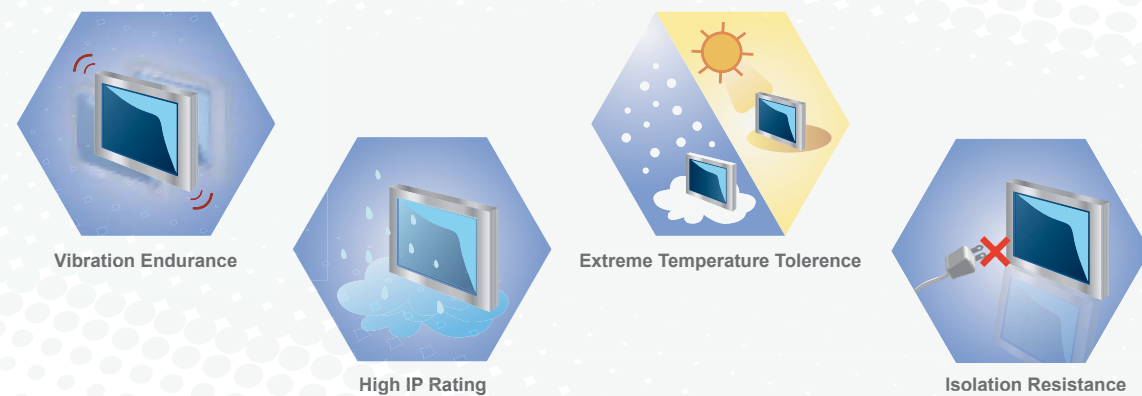
● Open HMI

- Designed between traditional HMI and industrial PC, Open HMI provides functionality and flexibility over traditional HMI and even lower costs than industrial PC.
- By IMS research, Open HMI will be a trend and fastest growing product in future HMI industry.
- Weintek Open HMI solutions, incorporating IP65 water-dust proof, anti-vibration, and wide-range temperature tolerance, definitely reach the rugged industrial requirements.
- With great support on I/O expansion and WinCE / XP Embedded installed, third party software can be run on the platform to control complicated systems and applications.

● Members of the MT600 Family



● Industrial Grade HMI



● Factory Automation

Wide-range HMI applications can be seen in manufacturing, such as machine control, factory automation, warehousing and logistic management. Aiming at complicated applications on web-based, wireless and distributed system control, MT600 Open HMIs support powerful features and peripheral options for ever-changing techniques.



● Delivery & Transportation Management

Real-time information transmission enhances transporting efficiency on delivery, trucking, & fleet management. Through MT600 wireless function, any data or information will be immediately transmitted from vehicles to dispatch center which considerably improves accuracy on scheduling, positioning and delivery.



• Self-Service Kiosk

Kiosk is a self-service equipment which integrates a variety of hardware and application software in the form of multimedia such as pictures and texts to provide sales or information service. Recent years, more and more retail stores, airport check-in systems, financial services, etc. choose self-service Kiosk as an important solution in reducing labor cost, increasing business efficiency or improving customer relationship management. MT600 X series provide a quality and stable platform for Kiosk software and integration suppliers to custom their applications easily.

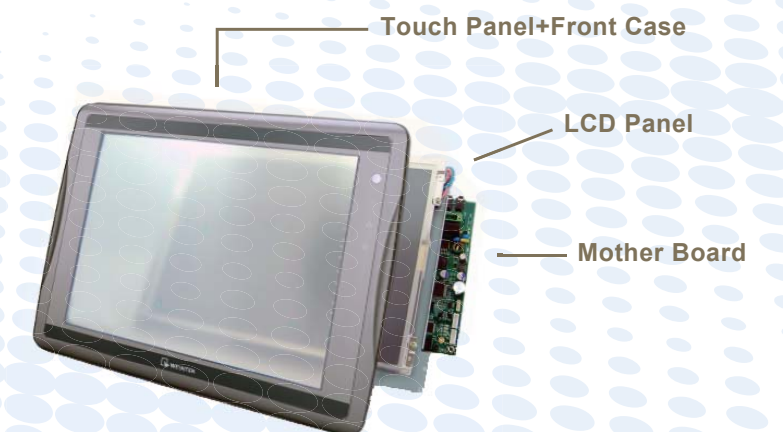
Furthermore, optional wireless USB for MT600 series is an advanced solution. For retailers, remote server can collect and analyze survey data from local HMIs and then provide considerate service to customers.



• Building Automation

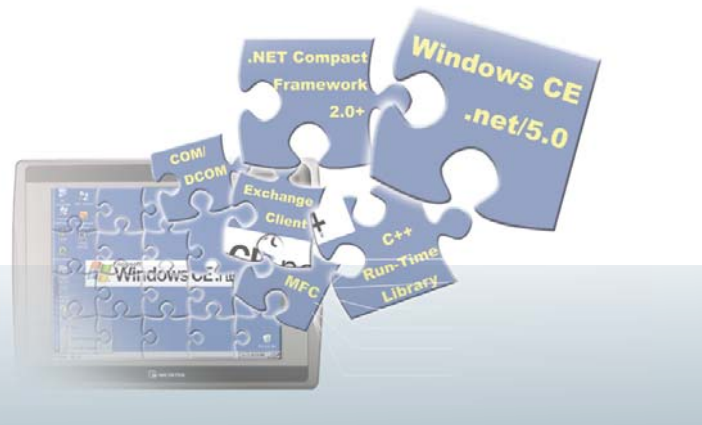
Building automation is a programmed, computerized, intelligent network of electronic devices that monitor and control buildings' mechanical and lighting systems. Such intelligent buildings will reduce consumption of energy and costs of maintenance. Meanwhile, more and more information indicates the trend of building automation and open HMI will become an important interface in utility control management. Weintek MT600 series help users to achieve boundary-less building management system by powerful Ethernet-enabled solutions in diverse BA applications.

• Display Illustration



Simple three-layer structure,
Weintek one-stop shop provides main components in your applications.

• WinCE



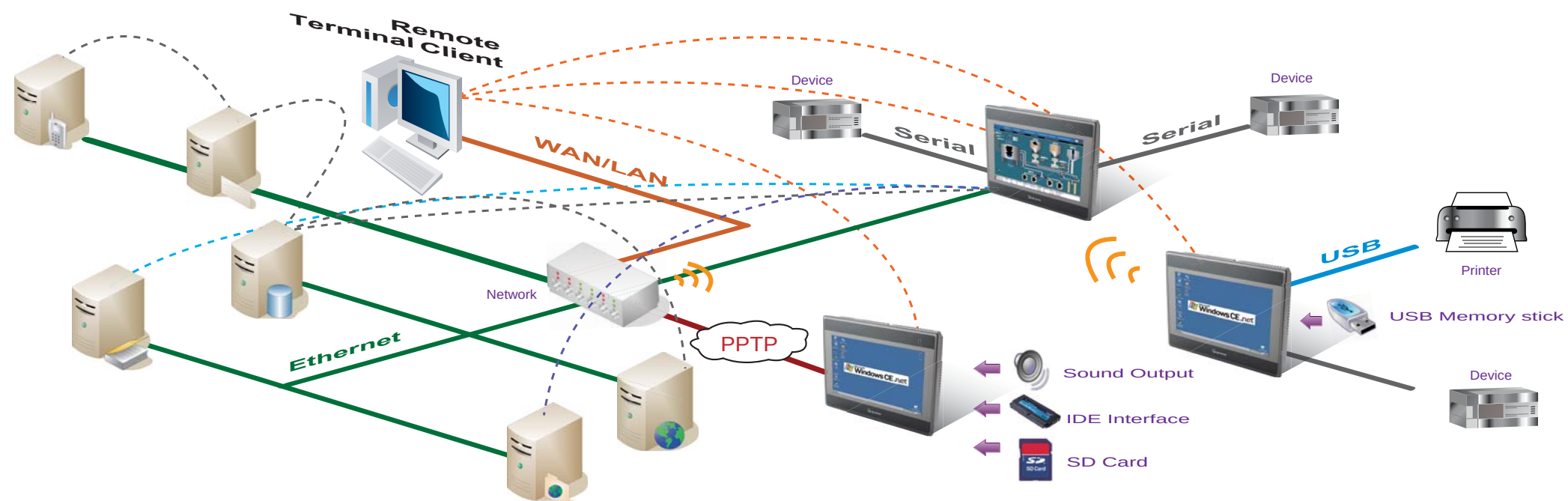
Windows CE(WinCE) is the operating system Microsoft especially designs for embedded system. Compared with general Windows systems, WinCE meets the required features — compact Kernel, customization, portability and real-time for embedded devices. Moreover, WinCE system can be run on hardware platform 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.

• Device Connection & Data Exchange



• Windows XP Embedded – Available on MT600 X Series Only

Windows XP Embedded or XPE, the componentized version of Microsoft Windows XP Professional and the successor to Windows NT 4.0 Embedded, enables developers to utilize the latest technologies offered by Microsoft. Additionally, it offers wealth of enhanced capabilities: industrial-leading reliability, security and performance.

10 Outstanding Features on MT600 X Series:

1. 500 Mhz high-speed processor shortens the response time.
2. Expanding memory available for application requirement.
3. Wide peripheral devices support.
4. Rapid Application Development: XPE is supported by tens of thousands of drivers and software package which speeds up the project development.
5. Compact design in operating systems which decreases memory space.
6. Flexible and reliable platform.
7. Powerful technology combination: multimedia decoder, Bluetooth, DirectX, NET Framework, Java and so on.
8. Web-based and cutting-edge multimedia features such as Microsoft Windows Media Player and Explorer.
9. Supported by plenty of Internet resource and easy for system management.
10. Most cost-effective products on the market.

● Integration Center—Peripheral Applications



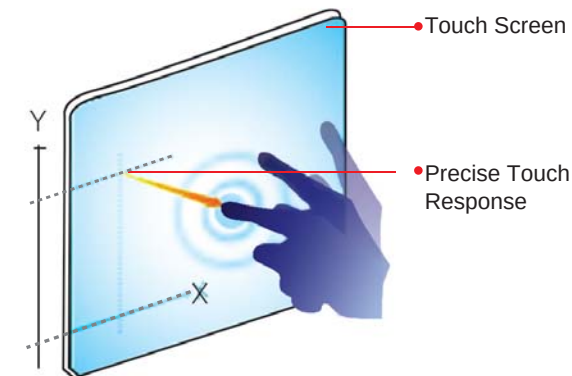
● Mount Support



Panel Mount



VESA



Serial Interface

Each MT600 is equipped with 3 serial ports which can directly connect with 3 different devices simultaneously.



High Contrast, High Brightness & Wide Viewing-Angles LCD

Bright, high-contrast 65536[16bit] TFT LCD provides superior visual feast: clearly exhibit pictures, text and GIF dynamic files. Used with LED backlights technology, LCD of MT600 series not only has durable lifespan but also ensure no turning yellow phenomenon on the screen after long-time usage. Wide & large screen further provides users more screen space for engineering projects for complicated configuration.



Sound Output

Equipped with WinCE/XPE powerful multimedia components: Media player/ Direct, MT600 provides versatile audio effects.



USB Interface

The flexibility of USB interface enriches the functionality of MT600. Each MT600 is equipped with 2 USB interfaces for users to connect to printer, bar code reader, mouse and a variety of extended USB devices.



Ethernet

Ethernet allows several MT600 and other devices on the network to exchange data with high speed.

Optional Wireless USB

MT600 series provide optional USB wireless solution to solve the difficulty in physical internet wiring. MT600 wireless network solution makes you to easily communicate with wireless stations anywhere. Connecting your LAN/WAN, MT600 supports high data encryption and reach convenient, reliable and secure data exchange environment.

SD Card

MT600 provides standard SD Card slot for storage extension.



■ MT600 i



Model		MT607i	MT610i
Display	Display	7" TFT LCD	10" TFT LCD
	Max. Color	65536	65536
	Resolution	800x480	800x480
	Brightness (cd/m ²)	375	300
	Contrast Ratio	500:1	500:1
	Backlight Type	LED	LED
	Backlight Life Time	30,000hr	30,000hr
Touch Panel	Type	4-wire, Analog Resistive	
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	
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	350mA @24VDC
Specification	Panel Cutout (mm)	192x138	259x201
	Weight (kg)	0.85kg (1.87 lbs)	1.4kg (3.08 lbs)
Certificate		CE/UL/RoHS	
Operation	Protection Structure	IP65 (NEMA 4)	IP65 (NEMA 4)
	Storage Temperature	-20~60°C (-4 ~ 160 °F)	
	Operating Temperature	0~50°C (32 ~ 122 °F)	

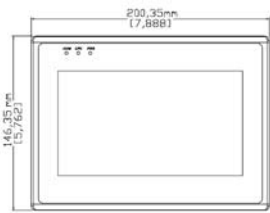
■ MT600X



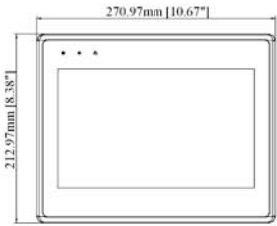
Model		MT610XH	MT612X	MT615X
Display	Display	10.4" TFT LCD	12.1" TFT LCD	15" TFT LCD
	Max. Color	65536	65536	65536
	Resolution	800x600	800x600	1024x768
	Brightness (cd/m ²)	400	400	350
	Contrast Ratio	400:1	500:1	550:1
	Backlight Type	LED	CCFU	CCFU
	Backlight Life Time	30,000hr	50,000hr	50,000hr
Touch Panel	Type	4-wire, Analog Resistive		
Enclosure		Plastic	Plastic	Aluminum
Memory	Storage (MB)	44-pin IDE Interface	44-pin IDE Interface	44-pin IDE Interface
	RAM (MB)	256MB	256MB	256MB
Processor	Processor	500MHz(RISC)		
	OS	Windows CE/XP Embedded		
I/O Port	SD Card Slot	Yes	Yes	Yes
	USB Host	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	USB Client	N/A	N/A	N/A
	Ethernet	10/100 Base-T x 1	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 / MIC In x 1		
RTC		Yes	Yes	Yes
Power	Input Power	24VDC±10%	24VDC±10%	24VDC±10%
	Power Consumption	1.25A@24VDC	1.25A@24VDC	1.6A@24VDC
Specification	Panel Cutout (mm)	259x201	305x231	352x279
	Weight (kg)	1.6kg (3.52 lbs)	2.1kg (4.63 lbs)	2.9kg (6.4 lbs)
Certificate		CE/UL/RoHS		
Operation	Protection Structure	IP65 (NEMA 4)		
	Storage Temperature	-20~60°C (-4 ~ 160 °F)		
	Operating Temperature	0~50°C (32 ~ 122 °F)		

MT600i

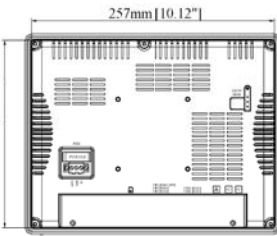
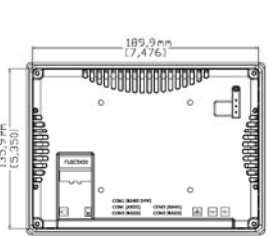
MT607i



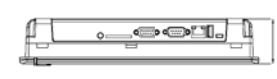
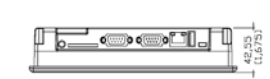
MT610i



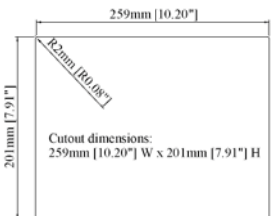
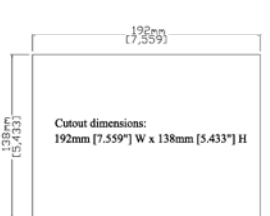
Front View



Rear View



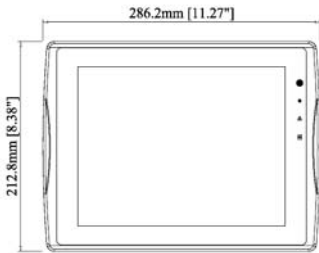
Bottom View



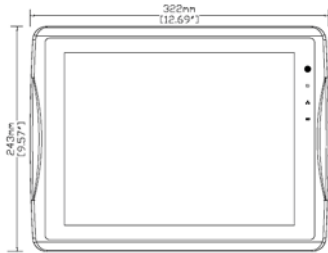
Panel Cutout

MT600X

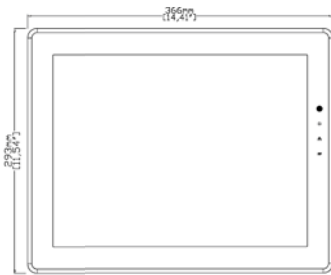
MT610XH



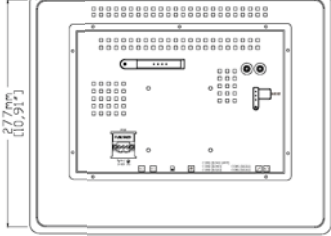
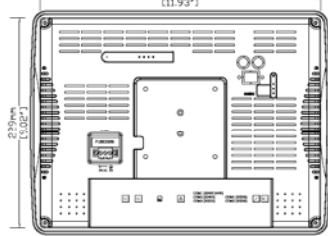
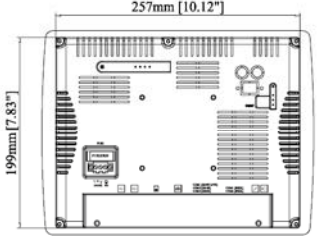
MT612X



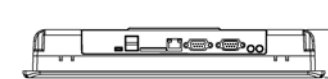
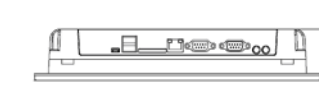
MT615X



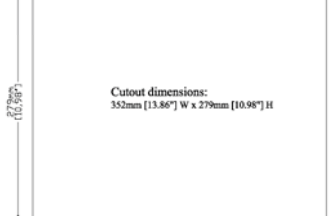
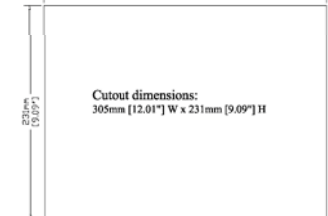
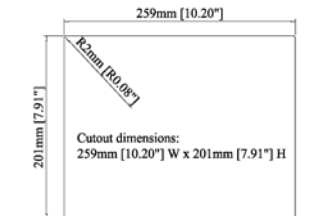
Front View



Rear View



Bottom View



Panel Cutout



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