WEINTEK HMI

Professionals in Human Machine Interface

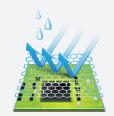




Performance, Design, and Versatility

MT8000iE/XE · mTV Series





PCB coating protection

Increases the strength of damp-proof, dust-proof, and corrosion resistance in any harsh environment.

Built-in isolated RS-485

Effectively avoids the ground potential difference problem and ensures your HMI endurable in any complicated grounding environment. (MT8070iE)



- COM [RS-485] supports MPI 187.5K.
- All iE Series models comply with IP65 rating and CE testing standards.
- Configuration software, EasyBuilder Pro offers more than 300 drivers for Weintek HMI to connect with various and numerous controllers.

iE Series

iE Series, easily installed in any industrial control environment

- Ultra-slim form factor and new color design.
- $\bullet\,$ Isolated RS-485 and PCB coating protections.







XE Series, optimal for industrial control application in various harsh environments

- 9.7" high-resolution (1024 x 768 pixels) HMI.
- 12" /15" large sizes of HMIs with aluminum enclosure.
- Isolated RS-485, PCB coating, and power isolation protections.

High-resolution HMIs (9.7", 12", 15")



Displays the most detailed information and objects with high-resolution (1024x768) LCD.



Aluminum Enclosure

Greatly improves durability and reliability. (MT8121XE/MT8150XE)

PCB coating protection



Increases the strength of damp-proof, dust-proof, and corrosion resistance in any harsh environment.



Built-in isolated RS-485

Effectively avoids the ground potential difference problem and ensures your HMI endurable in any complicated grounding environment. (MT8121XE/MT8150XE)

- COM [RS-485] supports MPI 187.5K.
- All XE Series models comply with IP65/IP66(MT8121XE) rating and CE
- Configuration software, EasyBuilder Pro offers more than 300 drivers for Weintek HMI to connect with various and numerous controllers.





mTV Series, creates a new HMI vision

- HDMI output allows displaying projects on any size of TV monitors with the HDMI interface.
- PCB coating and power isolation protections.

- COM [RS-485] supports MPI 187.5K.
- mTV Series comply with CE testing standards.
- Configuration software, EasyBuilder Pro offers more than 300 drivers for Weintek HMI to connect with various and numerous controllers.



EasyBuilder Pro

Easy to Use Configuration Software

With talented R&D team and experienced in HMI manufacturing, Weintek has developed the most advanced and easy to use configuration software in industrial automation field

- Extremely intuitive project editing experience.
- Connect with over 300 communication drivers.

Versatile Application Tools

Weintek Software R&D Center develops various stand-alone application tools, such as Recipe Editor, EasyDiagnoser, EasySimulator, EasyConverter, and etc. These tools can help you analyze different data records and troubleshoot abnormal issues for your application.







EasyDiagnosei







AB Data Type Editor

EasySimulator

EasyAccess













Database Editor

Recipe Editor

The Comparison of Software Features Between Different Models



Software Feature

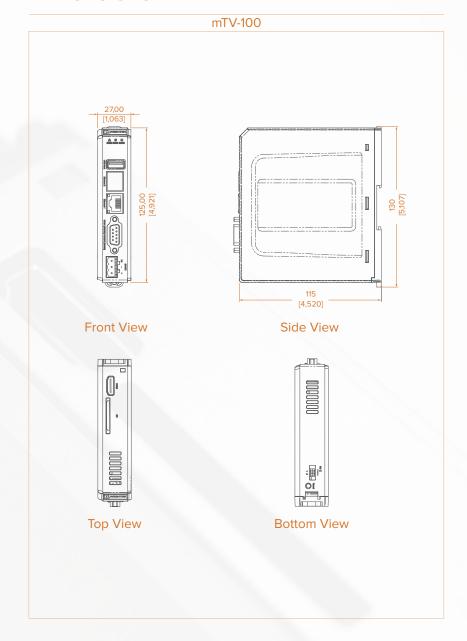
	mTV-100	MT8050iE	MT8070iE	MT8071iE	MT8073iE	MT8102iE	MT8103iE	MT8090XE	MT8092XE	MT8121XE	MT8150XE
Project & Firmware Size	64MB	22.5MB	22.5MB	22.5MB	22.5MB	22.5MB	22.5MB	64MB	64MB	64MB	64MB
History Data Size	64MB	16MB	16MB	16MB	16MB	16MB	16MB	120MB	120MB	64MB	64MB
Embed Pictures in Project	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Embed PLC Tag Information in Project	✓	✓	√	✓	√	✓	√	√	✓	✓	√
Project Protection	✓	✓	✓	√	✓	√	✓	√	✓	✓	✓
Enhanced Security	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓
Recipe Database / View Database	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓
Operation Log / Operation View	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
e-Mail	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Media Player	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓	✓	✓
Audio Output	/ *	N/A									
Video Input	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
USB CAM	✓	N/A	N/A	N/A	N/A	N/A	N/A	√	✓	✓	✓
Flow Block	✓	✓	✓	√	✓	✓	√	√	✓	✓	✓
Combo Button	✓	✓	✓	√	✓	✓	√	√	✓	✓	✓
Circular Trend Display	✓	✓	✓	√	√	✓	√	√	✓	✓	✓
Picture View	✓	✓	✓	✓	✓	✓	√	√	✓	✓	✓
CAN Bus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A
VNC Server	✓	✓	✓	✓	✓	✓	√	√	✓	✓	✓
VNC Viewer	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓
Download Project via USB Cable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
MQTT(Publisher)	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MQTT(Subscriber)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OPC UA Server	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OPC UA Client	√	✓	✓	✓	✓	√	√	√	√	√	✓
Watchdog	√	✓	✓	✓	✓	√	√	√	√	√	✓





Specification	Model	mTV-100
Display	Display	Display to HDTV
	Resolution	HDTV supported
	Brightness (cd/m²)	HDTV supported
	Contrast Ratio	HDTV supported
	Backlight Type	HDTV supported
	Backlight Life Time	HDTV supported
	Colors	HDTV supported
Memory	Flash	256 MB
	RAM	256 MB
Processor		32 bits RISC Cortex-A8 600MHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	Ethernet	10/100/1000 Base-T x 1
	COM Port	COM 1: RS-232
		COM2: RS-485 2W/4W
		COM3: RS-485 2W
	HDMI	Resolution 1280 x 720
	Audio Output	HDMI Audio Output
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	230mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes
_	Enclosure	Plastic
	Dimensions WxHxD	130 x 115 x 27 mm
	Weight	Approx. 0.18 kg
	Mount	35mm DIN rail mounting
Environment	Protection Structure	IP20
	Storage Temperature	-20° - 70°C (-4° - 158°F)
	Operating Temperature	-20° - 55°C (-4° - 131°F)
	Relative Humidity	10% - 90% (non-condensing)
Certificate	CE	CE marked
	UL	cULus Listed
Software		EasyBuilder Pro

Dimensions



* HDMI Audio Output

08 | Software Feature





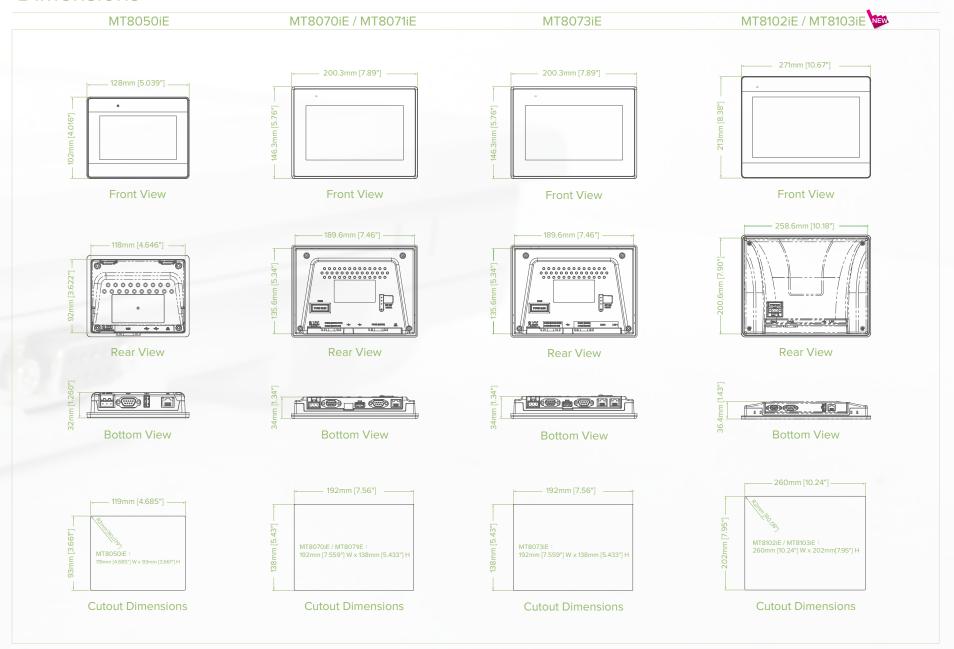






Specification	Model	MT8050iE	MT8070il	E / MT8071iE	MT8073iE	MT8102i	E / MT8103iE N
Display	Display	4.3" TFT	7" TFT		7" TFT	10.1" TFT	
	Resolution	480 x 272	800 x 480		800 x 480	1024 x 600	
	Brightness (cd/m²)	400	350	400	400	350	
	Contrast Ratio		500:1		500:1	500:1	
	Backlight Type	LED	LED		LED	LED	
	Backlight Life Time		>30,000 hrs.		>30,000 hrs.	>50,000 hrs.	
	Colors		16M	16.7M	16.7M	16.7M	
	LCD Viewing Angle (T/B/L/R)	50/30/50/50	70/60/70/70	70/50/70/70	70/50/70/70	60/60/70/70	
Touch Panel		4-wire Resistive Type	4-wire Resistive Type	e	4-wire Resistive Type	4-wire Resistive Typ	e
		Active Area Length(X)±2%, Width(Y)±2%	Active Area Length()		Active Area Length(X)±2%, Width(Y)±2%		X)±2%, Width(Y)±2%
Memory		128 MB	128 MB	, , , , , ,	128 MB	128 MB	
,	RAM	RAM 128 MB			128 MB	128 MB	
Processor		32 bits RISC Cortex-A8 600MHz	128 MB 32 bits RISC Cortex-	A8 600MHz	32 bits RISC Cortex-A8 600MHz	32 bits RISC Cortex	-A8 600MHz
I/O Port		USB 2.0 x 1	USB 2.0 x 1		USB 2.0 x 1	USB 2.0 x 1	
		10/100 Base-T x 1	10/100 Base-T x 1		10/100/1000 Base-T x 2	10/100 Base-T x 1	
	WiFi		N/A		N/A	N/A	IEEE 802.11 b/g/n 802.11b: max 19.76 dE 802.11g: max 14.07 dE 802.11n: max 15.41 dB
		COM 1: RS-232/RS-485 2W/4W COM3: RS-485 2W	COM 1: RS-232/ RS-485 2W/4W COM3: RS-485 2W	COM 1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	COM 1: RS-232 COM2: RS-485 2W/4W COM3: RS-232/RS-485 2W*	Con.A: COM2: RS-485 2W/4W, COM3: RS-485 2W Con.B: COM 1: RS-232/ COM3: RS-232	
	Isolated RS-485	N/Δ	Yes	N/A	N/A	N/A	527 GOINIS. NO 252
RTC		Built-in	Built-in	1 7 7 1	Built-in	Built-in	
Power		24±20%VDC	24±20%VDC		24±20%VDC	24±20%VDC	
1 0 1 0 1	Power Isolation		N/A	Built-in	Built-in	Built-in	
	Power Consumption		350mA@24VDC	450mA@24VDC	600mA@24VDC	650mA@24VDC	
	Voltage Resistance		500VAC (1 min.)	1001111110211100	500VAC (1 min.)	500VAC (1 min.)	
		Exceed 50MΩ at 500VDC	Exceed 50MΩ at 50	OVDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 50	OOVDC
		10 to 25Hz (X, Y, Z direction 2G 30 minutes)			10 to 25Hz (X, Y, Z direction 2G 30 minutes)		direction 2G 30 minu
Specification	PCB Coating		Yes	irection 20 00 minutes/	Yes	Yes	ancedon 20 00 minu
opeemeation	Enclosure		Plastic		Plastic	Plastic	
	Dimensions WxHxD		200.3 x 146.3 x 34 m	ım	200.3 x 146.3 x 34 mm	271 x 213 x 36.4 mm	1
	Panel Cutout		192 x 138 mm		192 x 138 mm	260 x 202 mm	
		Approx. 0.25 kg	Approx. 0.6 kg		Approx. 0.6 kg	Approx. 1 kg	
		Panel mount	Panel mount		Panel mount	Panel mount	
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use on / NEMA4 / IP65 Compliant Front Panel	NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel		UL Type 4X (indoor use / NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° - 60°C (-4° - 140°F)	-20° - 60°C (-4° - 140	°E\	-20° - 60°C (-4° - 140°F)	-20° - 60°C (-4° - 140	
	Operating Temperature	, ,	0° - 50°C (32° - 122°F	,	0° - 50°C (32° - 122°F)	0° - 50°C (32° - 122°	,
		10% - 90% (non-condensing)	10% - 90% (non-cond		10% - 90% (non-condensing)	10% - 90% (non-con	,
Certificate		CE marked	CE marked	acrising)	CE marked	CE marked	ucrising)
Certificate		cULus Listed	cULus Listed			cULus Listed*	cULus Listed
	ATEX		N/A	ATEX Zone 2/22 Category 3 G/D	CULus Listed ATEX Zone 2/22 Category 3 G/D	N/A	coLus Listea
Software		EasyBuilder Pro	EasyBuilder Pro	- 2.00g0., 0 0,D	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro	EasyBuilder Pro Built-in EasyAccess

Dimensions









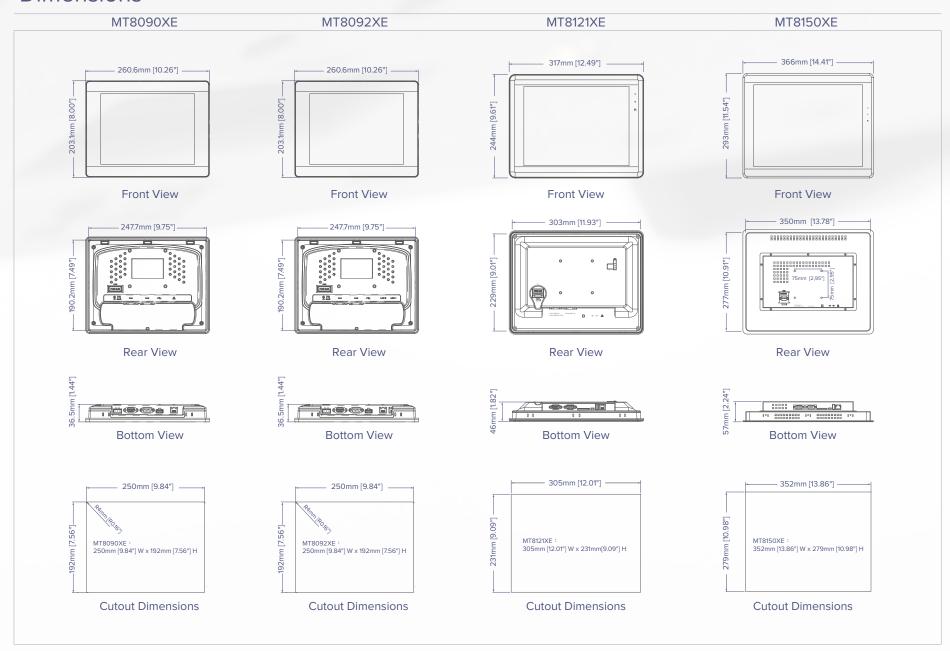




Specification	Model	MT8090XE	MT8092XE	MT8121XE	MT8150XE
Display	Display	9.7" TFT	9.7" TFT	12.1" TFT	15" TFT
-	Resolution	1024 x 768	1024 x 768	1024 x 768	1024 x 768
	Brightness (cd/m²)	350	350	500	400
	Contrast Ratio	500:1	500:1	700:1	700:1
	Backlight Type	LED	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>50,000 hrs.	>50,000 hrs.
	Colors	262K	262K	16.2M	16.2M
	LCD Viewing Angle (T/B/L/R)	60/70/70/70	60/70/70/70	80/80/80/80	70/70/80/80
Touch Panel	Туре	4-wire Resistive 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%	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	512 MB	512 MB	256 MB	256 MB
,	RAM	256 MB	256 MB	256 MB	256 MB
Processor		32 bits RISC Cortex-A8 1GHz	32 bits RISC Cortex-A8 1GHz	32 bits RISC Cortex-A8 1GHz	32 bits RISC Cortex-A8 1GHz
I/O Port	SD Card Slot	N/A	N/A	SD/SDHC	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	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	10/100 Base-T x 1	10/100/1000 Base-T x 2	10/100 Base-T x 1	10/100 Base-T x 1
		Con.A: COM2: RS-485 2W/4W, COM3:	Con.A: COM2: RS-485 2W/4W, COM3:	COM 1: RS-232/RS-485 2W/4W	COM 1: RS-232/RS-485 2W/4W
		RS-485 2W	RS-485 2W	COM3: RS-485 2W	COM3: RS-485 2W
		Con.B: COM1: RS-232	Con.B: COM1: RS-232, COM3: RS-232*		
	Isolated RS-485		N/A	Yes	Yes
	CAN Bus	1.3.1.	Yes	N/A	N/A
RTC		Built-in	Built-in	Built-in	Built-in
Power	Innut Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
TOVVCI	Power Isolation		Built-in	Built-in	Built-in
	Power Consumption		650mA@24VDC	800mA@24VDC	1000mA@24VDC
	Voltage Resistance	· ·	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
		Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC
		10 to 25Hz (X, Y, Z direction 2G 30 minutes)			
Specification	PCB Coating	,	Yes	Yes	Yes
Specification	Enclosure		Plastic	Aluminum	Aluminum
		260.6 x 203.1 x 36.5 mm	260.6 x 203.1 x 36.5 mm	317 x 244 x 46 mm	366 x 293 x 57 mm
		250 x 192 mm	250 x 192 mm	305 x 231 mm	352 x 279 mm
		Approx. 0.85 kg	Approx. 0.85 kg	Approx. 2.1 kg	Approx. 2.75 kg
_		Panel mount, VESA mount 75 x 75 mm	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		NEMA4 / IP65 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP65	UL Type 4X (indoor use only) / NEMA4 / IP66	UL Type 4X (indoor use only) / NEMA4 / IP65
Environment – – –	Flotection Structure	NEWA4 / IPOS Compilant Front Panel	Compliant Front Panel	Compliant Front Panel	Compliant Front Panel
	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	N/A	cULus Listed	cULus Listed	cULus Listed
		ATEX Zone 2/22 Category 3 G/D	ATEX Zone 2/22 Category 3 G/D	N/A	ATEX Zone 2/22 Category 3 G/D
Software		EasyBuilder Pro	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro	EasyBuilder Pro

 $^{^{\}ast}$ MT8092XE: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

Dimensions





Taiwan

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