

# XE Series



Model		MT8090XE	MT8092XE	MT8121XE3	MT8150XE
Display	Display	9.7" TFT	9.7" TFT	12.1" IPS	15" IPS
	Resolution	1024 x 768	1024 x 768	1024 x 768	1024 x 768
	Brightness (cd/ m <sup>2</sup> )	350	350	500	400
	Contrast Ratio	500: 1	500: 1	1000: 1	1000: 1
	Backlight Type	LED	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>50,000 hrs.
	Colors	262K	262K	16.7M	16.2M
	LCD Viewing Angle (T/B/L/R)	60/70/70/70	60/70/70/70	89/89/89/89	89/89/89/89
	Pixel Pitch (mm)	0.192(H) x 0.192(V)	0.192(H) x 0.192(V)	0.24(H) x 0.24(V)	0.297(H) x 0.297(V)
Touch Panel	Type	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-bit RISC 1GHz	32-bit RISC 1GHz	32-bit RISC 1GHz	32-bit RISC 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
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232, COM3 RS-232*	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W
	RS-485 Dual Isolation	N/A	N/A	Yes	Yes
	CAN Bus	N/A	Yes	N/A	N/A
	Audio Output	N/A (Supports USB Audio)	N/A (Supports USB Audio)	N/A (Supports USB Audio)	N/A (Supports USB Audio)
	RTC		Built-in	Built-in	Built-in
	Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC
Power Isolation		Built-in	Built-in	Built-in	Built-in
Power Consumption		500mA@24VDC	650mA@24VDC	1.5A@24VDC	1.2A@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	Plastic	Aluminum
	Dimensions WxHxD	260.6 x 203.1 x 36.5 mm	260.6 x 203.1 x 36.5 mm	317 x 243 x 41 mm	366 x 293 x 57 mm
	Panel Cutout	250 x 192 mm	250 x 192 mm	305 x 231 mm	352 x 279 mm
	Weight	Approx. 0.85 kg	Approx. 0.85 kg	Approx. 1.7 kg	Approx. 2.75 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	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	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° ~ 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	N/A	cULus Listed
	ATEX	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 EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	

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