



MT8102iE



MT8073iE



MT8053iE



MT8150XE



MT8051iP



MT8071iP



MT8102iP



MT8121XE

Performance, Design, and Versatility
MT8000iE · XE · iP Series



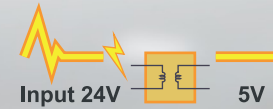
얇아진 외관 케이스

다양한 자동화 환경의
설비 기기에 적합하도록
설계되었습니다.



듀얼 이더넷 포트

듀얼 이더넷 포트를 통해 WAN/LAN 또는 LAN/LAN
네트워크 구성을 설정할 수 있습니다.
(MT8053iE, MT8073iE)



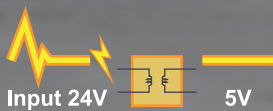
Power isolation protection

서지를 효과적으로 방지하여 HMI 안정성 확보
(MT8050iE/ MT8053iE/ MT8071iE/ MT8073iE/ MT8102iE)

iE Series

가볍고 슬림하여 다양한 산업환경에서 사용할 수 있습니다.

- 가볍고 슬림한 디자인
- Isolated RS-485와 메인보드 PCB 코팅 보호 처리



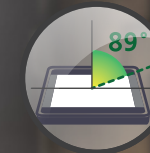
Power isolation protection

서지를 효과적으로 방지하여
HMI 안정성 확보



고급스러운 실버 사이드

측면의 고급스러운 실버라인과 유선형의
외관으로 섬세한 미적감각을 보여줍니다.
(MT8090XE/ MT8092XE)



넓은 시야각

넓은 시야각으로 HMI 모니터링 시, 최대 89°까지
모니터링할 수 있습니다.
(MT8121XE3/ MT8150XE)

XE Series

열악한 환경이나 복잡한 산업제어 환경에서
사용하기에 가장 적합합니다.

- 9.7인치, 1024 x 768의 고해상도
- 12인치 /15인치의 알루미늄 케이스
- Isolated RS-485와 메인보드 PCB 코팅, Power isolation 보호 처리



다양한 컬러의
선명한 시각화
16.7M 컬러 표시

고해상도

1024x600 LCD 탑재(MT8102iP)
넓은 시야각으로 최대 80°까지 모니터링 가능



10.1" MT8102iP

7" MT8071iP / MT8071iP2

4.3" MT8051iP



iP Series

실용적인 탁월한 선택

- 10.1인치 고해상도 LCD (1024 x 600 픽셀) 및 16.7M 컬러 디스플레이
- 300개 이상의 PLC 및 컨트롤러 프로토콜 지원

각 시리즈별 소프트웨어 기능 차이



소프트웨어 기능			
	iE Series	XE Series	iP Series
Project & Firmware Size Limit	22.5MB	64MB	22.5MB
History Size Limit	16MB	64/ 120MB	16MB
Project Protection	●	●	●
USB Cable Download		MT8121XE3 MT8150XE	
Pictures/Shape Library Embedded in Project	●	●	●
PLC TAG Embedded in Project	●	●	●
e-Mail	●	●	
Enhanced Security Mode	●	●	●
VNC Server	●	●	●
CAN Bus		MT8092XE	
Circular Trend Display	●	●	●
Combo Button	●	●	●
Media Player		●	
MQTT(Publisher / Subscriber)	●	●	
Operation Log	●	●	●
OPC UA Client	●	●	●
Picture Viewer	●	●	●
Recipe Database / Recipe View	●	●	●
USB Camera		●	
IP Camera		●	
VNC Viewer	●	●	
Watchdog	●	●	●
EasyAccess 2.0	Optional MT8053iE/MT8073iE Built-in License	Optional MT8092XE Built-in License	Optional

iE Series : MT8050iE, MT8053iE, MT8070iE, MT8071iE, MT8073iE, MT8102iE

XE Series : MT8090XE, MT8092XE, MT8121XE3, MT8150XE

iP Series : MT8051iP, MT8071iP, MT8071iP2, MT8102iP

* The iP Series models have to be programmed with EasyBuilder Pro V6.05.02 or later versions to apply the said functions.

* Note: The MT8102iP's OS version must be 20201007 or later versions.



	Model	MT8050iE	MT8053iE	MT8070iE	MT8071iE	MT8073iE	MT8102iE	
Display	Display	4.3" TFT		7" TFT		10.1" TFT		
	Resolution	480 x 272		800 x 480		1024 x 600		
	Brightness (cd/ m ²)	400		400		350		
	Contrast Ratio	500: 1		800: 1		800: 1		
	Backlight Type	LED		LED		LED		
	Backlight Life Time	>30,000 hrs.		>30,000 hrs.		>30,000 hrs.		
	Colors	16.7M		16.7M		16.7M		
	LCD Viewing Angle (T/B/L/R)	50/70/70/70		80/60/80/80		80/60/80/80		
Pixel Pitch (mm)	0.198(H) x 0.198(V)		0.1926(H) x 0.179(V)		0.1926(H) x 0.179(V)		0.2175(H) x 0.2088(V)	
	Type	4-wire Resistive Type		4-wire Resistive Type		4-wire Resistive Type		
Touch Panel	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%		
	Memory	Flash	128 MB		128 MB		128 MB	
Processor	RAM	128 MB		128 MB		128 MB		
	Processor	32-bit RISC 600MHz		32-bit RISC 600MHz		32-bit RISC 600MHz		
I/O Port	USB Host	USB 2.0 x 1		USB 2.0 x 1		USB 2.0 x 1		
	Ethernet	10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 1		10/100/1000 Base-T x 2		
	COM Port	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W		COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-232/RS-485 2W*2	Con.A: COM1 RS-485 2W, COM2 RS-485 2W/4W, COM3 RS-485 2W/4W*1 Con.B: COM1 RS-232 / COM3 RS-232*2	
	RS-485 Dual Isolation	N/A		Yes	N/A	N/A	N/A	
	RTC	Built-in		Built-in		Built-in		
Power	Input Power	24±20%VDC	22~28VDC	24±20%VDC		24±20%VDC		
	Power Isolation	Built-in		N/A		Built-in		
	Power Consumption	400mA@24VDC	450mA@24VDC	350mA@24VDC	450mA@24VDC	600mA@24VDC		
	Voltage Resistance	500VAC (1 min.)		500VAC (1 min.)		500VAC (1 min.)		
	Isolation Resistance	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)		
Specification	PCB Coating	Yes		Yes		Yes		
	Enclosure	Plastic		Plastic		Plastic		
	Dimensions WxHxD	128 x 102 x 32 mm		200.3 x 146.3 x 34 mm		200.3 x 146.3 x 34 mm		
	Panel Cutout	119 x 93 mm		192 x 138 mm		192 x 138 mm		
	Weight	Approx. 0.25 kg		Approx. 0.6 kg		Approx. 0.6 kg		
	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 only) / 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)		
Operating Temperature		0° ~ 50° C (32° ~ 122° F)	0° ~ 45° C (32° ~ 113° 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)		
Certificate	CE	CE marked		CE marked		CE marked		
	UL	cULus Listed		cULus Listed		cULus Listed		
	ATEX	N/A		N/A	ATEX Zone 2/22 Category 3 G/D	ATEX Zone 2/22 Category 3 G/D		
Software	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	

*1 MT8102iE: COM3 RS-485 4W will not be available when COM1 RS-485 2W is used.

*2 MT8073iE/ MT8102iE: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

*3 MT8102iE: For customers who require UL, please order MT8102iEU. (MT8102iE is not UL listed.)

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 ²)	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
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	10/100/1000 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		650mA@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 Built-in EasyAccess 2.0	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.

iP Series



Model		MT8051iP	MT8071iP	MT8071iP2	MT8102iP
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/ m ²)	400	300	300	350
	Contrast Ratio	500: 1	500: 1	500: 1	500: 1
	Backlight Type	LED	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	50,000 hrs.
	Colors	16.7M	16.7M	16.7M	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70	70/50/70/70	70/50/70/70	70/70/80/80
	Pixel Pitch (mm)	0.198(H) x 0.198(V)	0.1926(H) x 0.179(V)	0.1926(H) x 0.179(V)	0.2175(H) x 0.2088(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	128 MB	128 MB	128 MB	128 MB
	RAM	128 MB	128 MB	128 MB	128 MB
Processor		32-bit RISC 600MHz	32-bit RISC 600MHz	32-bit RISC 528MHz	32-bit RISC 528MHz
I/O Port	USB Host	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 x 1	10/100 Base-T x 1	10/100 Base-T x 1	10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 4W, COM2: RS-485 2W/4W	COM1: RS-232 4W, COM2: RS-485 2W/4W Mark/Space parity mode is not supported.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
RTC		Built-in (CR2032 3V lithium battery.)	Built-in	Built-in	Built-in
Power	Input Power	10.5~28VDC	10.5~28VDC	10.5~28VDC	10.5~28VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	800mA@12VDC ; 400mA@24VDC	1A@12VDC ; 500mA@24VDC	1A@12VDC ; 450mA@24VDC	1.3A@12VDC ; 650mA@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	Enclosure	Plastic	Plastic	Plastic	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm	200.4 x 146.5 x 34 mm	200.4 x 146.5 x 34 mm	271 x 213 x 36.4 mm
	Panel Cutout	119 x 93 mm	192 x 138 mm	192 x 138 mm	260 x 202 mm
	Weight	Approx. 0.25 kg	Approx. 0.52 kg	Approx. 0.52 kg	Approx. 1 kg
	Mount	Panel mount	Panel mount	Panel mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel	NEMA4 / IP65 Compliant Front Panel	NEMA4 / IP65 Compliant Front Panel	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
Software		EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)

* MT8102iP: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

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이지뷰교육: 본사에서 진행 (교육일정은 사이트 참조)

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