



MT8052iP



MT8072iP



MT8106iP

Performance, Design, and Versatility

MT8000iE · iP Series

The Comparison of Software Features Between Different Models



Software Feature		
	iE Series	iP Series
Project & Firmware Size Limit	22.5MB	22.5MB
History Size Limit	16MB	64MB
Project Protection	●	●
Pictures/Shape Library Embedded in Project	●	●
PLC TAG Embedded in Project	●	●
e-Mail	●	
Enhanced Security Mode	●	●
VNC Server	●	●
Circular Trend Display	●	●
Combo Button	●	●
MQTT(Publisher / Subscriber)	●	
Operation Log	●	●
OPC UA Client	●	●
Picture Viewer	●	●
Recipe Database / Recipe View	●	●
VNC Viewer	●	
Watchdog	●	●
EasyAccess 2.0	Optional	Optional

iE Series : MT8051iE

iP Series : MT8052iP, MT8072iP, MT8106iP

iE Series



Model		MT8051iE
Display	Display	4.3" TFT
	Resolution	480 x 272
	Brightness (cd/ m')	400
	Contrast Ratio	500: 1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70
	Pixel Pitch (mm)	0.198(H) x 0.198(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32-bit RISC 600MHz
I/O Port	USB Host	USB 2.0 x 1
	Ethernet	10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W
RTC		Built-in
Power	Input Power	22~28VDC
	Power Isolation	Built-in
	Power Consumption	450mA@24VDC
	Voltage Resistance	500VAC (1 min.)
Specification	Isolation Resistance	Exceed 50MΩ @ 500VDC
	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
Environment	Mount	Panel mount
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 45° C (32° ~ 113° F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
	CE	CE marked
Software	UL	cULus Listed
	Weincloud	EasyAccess 2.0 (Optional)

iP Series



Model		MT8052iP	MT8072iP	MT8106iP
Display	Display	4.3" TFT	7" TFT	10.1" TFT
	Resolution	480 x 272	800 x 480	1024 x 600
	Brightness (cd/ m')	400	450	350
	Contrast Ratio	500: 1	500: 1	500: 1
	Backlight Type	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	50,000 hrs.
	Colors	16.7M	16.7M	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70	60/70/70/70	70/70/80/80
	Pixel Pitch (mm)	0.198(H) x 0.198(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
	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	256 MB	256 MB	256 MB
	RAM	128 MB	128 MB	128 MB
Processor		Dual-core RISC	Dual-core RISC	Dual-core RISC
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	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	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
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
	Power Consumption	350mA@24VDC	450mA@24VDC	510mA@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
Specification	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
	PCB Coating	N/A	N/A	N/A
	Enclosure	Plastic	Plastic	Plastic
	Dimensions WxHxD	128 x 102 x 32 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	260 x 202 mm
	Weight	Approx. 0.25 kg	Approx. 0.52 kg	Approx. 1 kg
Environment	Mount	Panel mount	Panel mount	Panel mount
	Protection Structure	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)
	Operating Temperature	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° F)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
Certificate	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)
	CE	CE marked	CE marked	CE marked
Software	UL	N/A	N/A	N/A
	Weincloud	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)	EasyAccess 2.0 (Optional)

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* MT8106iP: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.



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