



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



# iP Series



Model		MT8051iE
Display	Display	4.3" TFT
	Resolution	480 x 272
	Brightness (cd/ m <sup>2</sup> )	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
Accuracy		Active Area Length(X)±2%,
Memory	Flash	128 MB
	RAM	128 MB
Processor		Single-core RISC
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.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
	Mount	Panel mount
Environment	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)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	Weincloud	EasyAccess 2.0 (Optional)

Model		MT8052iP	MT8072iP	MT8106iP
Display	Display	4.3" TFT	7" TFT	10.1" WVA
	Resolution	480 x 272	800 x 480	1024 x 600
	Brightness (cd/ m <sup>2</sup> )	400	450	350
	Contrast Ratio	500: 1	500: 1	1000: 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	89/89/89/89
	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
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.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
Specification	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
	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
	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)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)	Below 3,000 meters (70.1kPa)	Below 3,000 meters (70.1kPa)
	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)
Certificate	CE	CE marked	CE marked	CE marked
	UL	N/A	N/A	N/A
Software	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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