

Brand New **iP Series**

New Choice, Unprecedented Experience!

4.3"

MT6051iP / MT8051iP



7"

MT6071iP / MT8071iP



10.1"

MT6103iP / MT8102iP



6 Upgrades

"Intuitively Easy on Infinite Innovations" is the motto that drives Weintek RD Team towards sustainable development, placing our HMI on the leading edge. iP Series is compact HMI product that shows outstanding performance compared to i Series. Thanks to software upgrade to EasyBuilder Pro, iP Series brings unprecedented user experience.



Unprecedented Experience

EasyBuilder Pro software is extremely intuitive to configure, and is completely compatible with EasyBuilder8000.



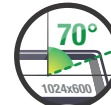
Outstanding Performance

Equipped with Cortex A8 600MHz CPU, 128MB Flash, 128MB RAM.



Powerful Connectivity

Supports for more than 300 different brands of PLC and controllers.



High Resolution

MT6103iP / MT8102iP features a high resolution 1024x600 LCD, and wide viewing angle (T:60° / B:60° / L:70° / R:70°).



Seamless Compatibility

The cutout dimension and the position of the mounting holes (except USB client) remain identical to MT(iH) Series.



Advanced Visualization

16-million colors display.

Specification

		MT6051iP	MT8051iP	MT6071iP	MT8071iP	MT6103iP	MT8102iP
Display	Display	4.3" TFT	4.3" TFT	7" TFT	7" TFT	10.1" TFT	10.1" TFT
	Resolution	480 x 272	480 x 272	800 x 480	800 x 480	1024 x 600	1024 x 600
	Brightness (cd/m²)	400	400	300	300	400	350
	Contrast Ratio	500:1	500:1	500:1	500:1	600:1	500:1
	Backlight Type	LED	LED	LED	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>25,000 hrs.	>20,000 hrs.
	Colors	16.7M	16.7M	16M	16M	16.2M	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70	50/70/70/70	70/50/70/70	70/50/70/70	60/60/70/70	60/60/70/70
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive 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%	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	128 MB	128 MB
	RAM	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB
Processor		32 Bits RISC Cortex-A8 600MHz	32 Bits RISC Cortex-A8 600MHz	32 Bits RISC Cortex-A8 600MHz	32 Bits RISC Cortex-A8 600MHz	32 Bits RISC Cortex-A8 600MHz	ARM RISC 528MHz
I/O Port	USB Host	N/A	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	USB Client	USB 2.0 x 1 (Micro USB)	N/A	USB 2.0 x 1 (Micro USB)	N/A	USB 2.0 x 1 (Micro USB)	N/A
	Ethernet	N/A	10/100 Base-T x 1	N/A	10/100 Base-T x 1	N/A	10/100 Base-T x 1
	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	COM1: RS-232 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*	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	Built-in	Built-in	Built-in
Power	Input Power	24±20% VDC	24±20% VDC	24±20% VDC	10.5~28 VDC	24±20% VDC	10.5~28 VDC
	Power Consumption	300mA@24VDC	400mA@24VDC	500mA@24VDC	1A@12VDC; 500mA@24VDC	650mA@24VDC	1.3A@12VDC; 650mA@24VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	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	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)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A	N/A	N/A	N/A	N/A	N/A
	Enclosure	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
	Dimensions (WxHxD)	128 x 102 x 32 mm	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	271 x 213 x 36.4 mm
	Panel Cutout	119 x 93 mm	119 x 93 mm	192 x 138 mm	192 x 138 mm	260 x 202 mm	260 x 202 mm
	Weight	Approx. 0.25 kg	Approx. 0.25 kg	Approx. 0.52 kg	Approx. 0.52 kg	Approx. 1 kg	Approx. 1 kg
	Mount	Panel mount	Panel 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	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)	-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)	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)	10%~90% (non-condensing)	10%~90% (non-condensing)
Certificate	CE	CE marked	CE marked	CE marked	CE marked	CE marked	CE marked
Software		EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro

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

Dimensions
—
 Front View, Rear View, Bottom View, and Cutout Dimensions.
 Unit: mm

MT6051iP	MT8051iP	MT6071iP	MT8071iP	MT6103iP	MT8102iP



www.realtechotomasyon.com.tr

Contact

Tel : +886-2-22286770

Fax: +886-2-22286771

Address: 9F., No.910, Zhongzheng Rd.,
Zhonghe Dist., New Taipei City 23586, Taiwan

Website: www.weintek.com

Sales: salesmail@weintek.com

Product Support: servicemail@weintek.com



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