

# Brand New iP Series

New Choice, Unprecedented Experience!

10.1"

MT6103iP / MT8102iP

7"

MT6071iP / MT8071iP

4.3"

MT6051iP / MT8051iP



## 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.



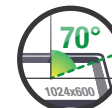
### Outstanding Performance

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

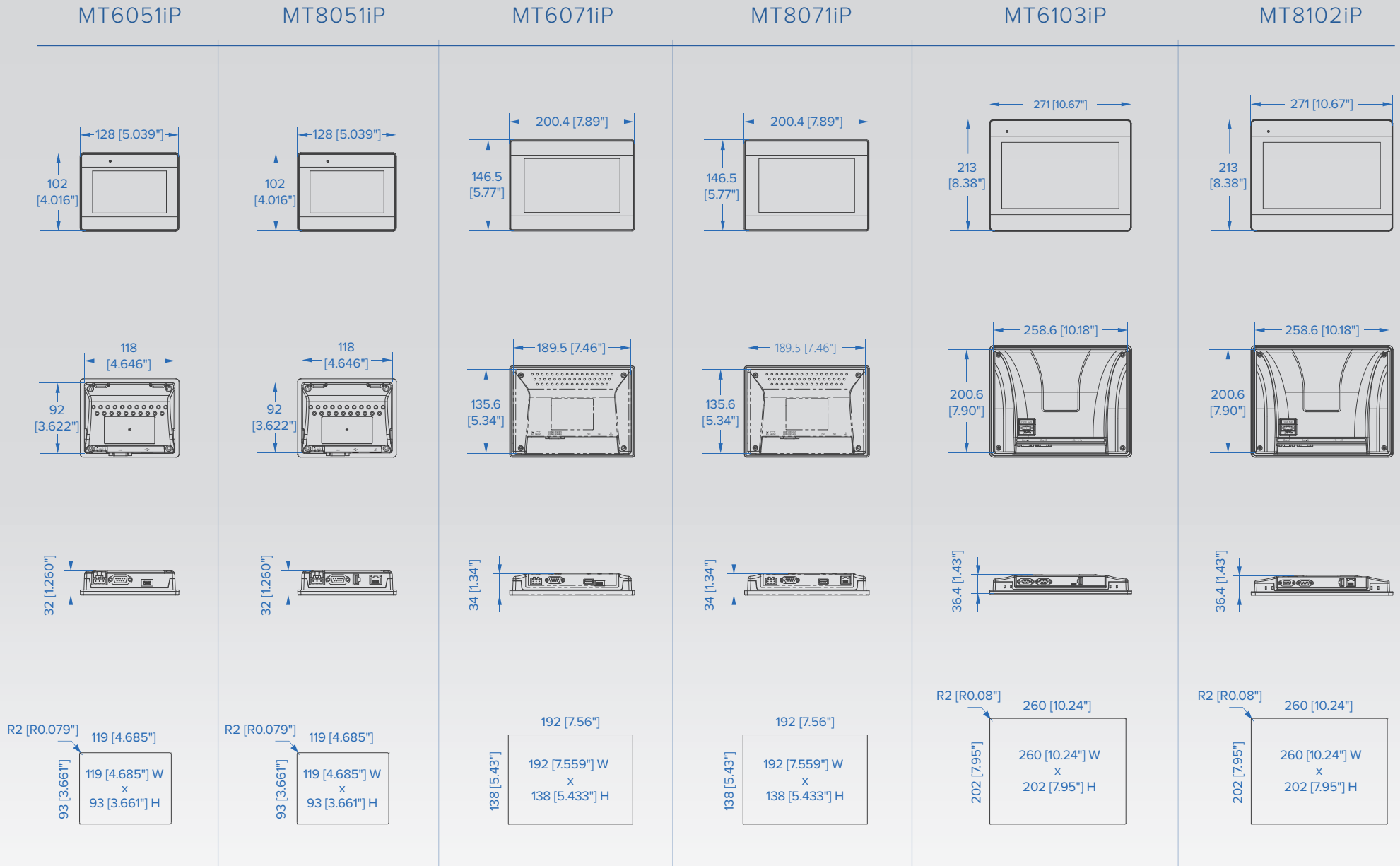
16-million colors display.

# Specification

		MT6051iP	MT8051iP	MT6071iP	MT8071iP	MT6103iP	MT8102iP
<b>Display</b>	<b>Display</b>	4.3" TFT	4.3" TFT	7" TFT	7" TFT	10.1" TFT	10.1" TFT
	<b>Resolution</b>	480 x 272	480 x 272	800 x 480	800 x 480	1024 x 600	1024 x 600
	<b>Brightness (cd/m<sup>2</sup>)</b>	400	400	300	300	400	350
	<b>Contrast Ratio</b>	500:1	500:1	500:1	500:1	600:1	500:1
	<b>Backlight Type</b>	LED	LED	LED	LED	LED	LED
	<b>Backlight Life Time</b>	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>30,000 hrs.	>25,000 hrs.	>20,000 hrs.
	<b>Colors</b>	16.7M	16.7M	16M	16M	16.2M	16.7M
	<b>LCD Viewing Angle (T/B/L/R)</b>	50/70/70/70	50/70/70/70	70/50/70/70	70/50/70/70	60/60/70/70	60/60/70/70
<b>Touch Panel</b>	<b>Type</b>	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type
	<b>Accuracy</b>	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%
<b>Memory</b>	<b>Flash</b>	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB
	<b>RAM</b>	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB
<b>Processor</b>		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
<b>I/O Port</b>	<b>USB Host</b>	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
	<b>USB Client</b>	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
	<b>Ethernet</b>	N/A	10/100 Base-T x 1	N/A	10/100 Base-T x 1	N/A	10/100 Base-T x 1
	<b>COM Port</b>	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*
	<b>RTC</b>	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
<b>Power</b>	<b>Input Power</b>	24±20% VDC	24±20% VDC	24±20% VDC	10.5~28 VDC	24±20% VDC	10.5~28 VDC
	<b>Power Consumption</b>	300mA@24VDC	400mA@24VDC	500mA@24VDC	1A@12VDC; 500mA@24VDC	650mA@24VDC	1.3A@12VDC; 650mA@24VDC
	<b>Power Isolation</b>	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
	<b>Voltage Resistance</b>	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	<b>Isolation Resistance</b>	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC	Exceed 50MΩ @ 500VDC
	<b>Vibration Endurance</b>	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)
<b>Specification</b>	<b>PCB Coating</b>	N/A	N/A	N/A	N/A	N/A	N/A
	<b>Enclosure</b>	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
	<b>Dimensions (WxHxD)</b>	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
	<b>Panel Cutout</b>	119 x 93 mm	119 x 93 mm	192 x 138 mm	192 x 138 mm	260 x 202 mm	260 x 202 mm
	<b>Weight</b>	Approx. 0.25 kg	Approx. 0.25 kg	Approx. 0.52 kg	Approx. 0.52 kg	Approx. 1 kg	Approx. 1 kg
	<b>Mount</b>	Panel mount	Panel mount	Panel mount	Panel mount	Panel mount	Panel mount
<b>Environment</b>	<b>Protection Structure</b>	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
	<b>Storage Temperature</b>	-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)
	<b>Operating Temperature</b>	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)
	<b>Relative Humidity</b>	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)
<b>Certificate</b>	<b>CE</b>	CE marked	CE marked	CE marked	CE marked	CE marked	CE marked
<b>Software</b>		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





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**RoHS** ISO 9000: 2008

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