





Model	MT6051iP	MT6071iP	MT8071iP	MT6103iP																																																																																																																																																																					
																																																																																																																																																																									
Display	4.3" TFT LCD	7" TFT LCD	7" TFT LCD	10.1" TFT																																																																																																																																																																					
Resolution	480 x 272	800 x 480	800 x 480	1024 x 600																																																																																																																																																																					
Brightness (cd/m2)	500	300	300	400																																																																																																																																																																					
Contrast Ratio	500:1	500:1	500:1	600:1																																																																																																																																																																					
Backlight Type	LED	LED	LED	LED																																																																																																																																																																					
Backlight Life Time	>30,000 hrs	>30,000 hrs	>30,000 hrs	>25,000 hrs																																																																																																																																																																					
Colors	16.2M	16M	16M	16.2M																																																																																																																																																																					
LCD Viewing Angle	30/50/50/50	70/50/70/70	70/50/70/70	60/60/70/70																																																																																																																																																																					
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%																																																																																																																																																																					
Flash	128 MB	128 MB	128 MB	128 MB																																																																																																																																																																					
RAM	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																																																																																																																																																																					
SD Card Slot	N/A	N/A	N/A	N/A																																																																																																																																																																					
USB Host	N/A	N/A	USB 2.0 x 1	USB 2.0 x 1																																																																																																																																																																					
USB Client	USB 2.0 x 1 (Micro USB)	USB 2.0 x 1 (Micro USB)	N/A	USB 2.0 x 1 (Micro USB)																																																																																																																																																																					
Ethernet	N/A	N/A	RJ45 port (10/100 Base-T) x 1	N/A																																																																																																																																																																					
WiFi	N/A	N/A	N/A	N/A																																																																																																																																																																					
COM Port	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 / COM3 RS-232*																																																																																																																																																																					
Pin Assignment	<table border="1"> <thead> <tr> <th rowspan="2">PIN #</th> <th colspan="2">COM1 [RS485]</th> <th rowspan="2">COM1 [RS232]</th> <th rowspan="2">COM3 [RS485]</th> </tr> <tr> <th>4 wire</th> <th>2 wire</th> </tr> </thead> <tbody> <tr><td>1</td><td>Rx-</td><td>Data-</td><td></td><td></td></tr> <tr><td>2</td><td>Rx+</td><td>Data+</td><td></td><td></td></tr> <tr><td>3</td><td>Tx-</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>Tx+</td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td>GND</td><td></td></tr> <tr><td>6</td><td></td><td></td><td>TxD</td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td>Data-</td></tr> <tr><td>8</td><td></td><td></td><td></td><td>Data+</td></tr> <tr><td>9</td><td></td><td></td><td>RxD</td><td></td></tr> </tbody> </table>	PIN #	COM1 [RS485]		COM1 [RS232]	COM3 [RS485]	4 wire	2 wire	1	Rx-	Data-			2	Rx+	Data+			3	Tx-				4	Tx+				5			GND		6			TxD		7				Data-	8				Data+	9			RxD		<table border="1"> <thead> <tr> <th rowspan="2">PIN#</th> <th rowspan="2">COM1 [RS232]</th> <th colspan="2">COM2 [RS485]</th> </tr> <tr> <th>4W</th> <th>2W</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td>Rx-</td><td>Data-</td></tr> <tr><td>2</td><td></td><td>Rx+</td><td>Data+</td></tr> <tr><td>3</td><td></td><td>Tx-</td><td></td></tr> <tr><td>4</td><td></td><td>Tx+</td><td></td></tr> <tr><td>5</td><td></td><td>GND</td><td></td></tr> <tr><td>6</td><td></td><td>TxD</td><td></td></tr> <tr><td>7</td><td></td><td>RTS</td><td></td></tr> <tr><td>8</td><td></td><td>CTS</td><td></td></tr> <tr><td>9</td><td></td><td>RxD</td><td></td></tr> </tbody> </table>	PIN#	COM1 [RS232]	COM2 [RS485]		4W	2W	1		Rx-	Data-	2		Rx+	Data+	3		Tx-		4		Tx+		5		GND		6		TxD		7		RTS		8		CTS		9		RxD		<table border="1"> <thead> <tr> <th rowspan="2">PIN#</th> <th rowspan="2">COM1 [RS232]</th> <th rowspan="2">COM3 [RS232]</th> <th colspan="2">COM2 [RS485]</th> <th rowspan="2">COM2 [RS485] 4W</th> <th rowspan="2">COM3 [RS485] 2W</th> </tr> <tr> <th>4W</th> <th>2W</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td>Rx-</td><td>Data-</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td>Rx+</td><td>Data+</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td>Tx-</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td>Tx+</td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td>GND</td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td>TxD</td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td>RTS</td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td>CTS</td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td>RxD</td><td></td><td></td><td></td></tr> </tbody> </table>	PIN#	COM1 [RS232]	COM3 [RS232]	COM2 [RS485]		COM2 [RS485] 4W	COM3 [RS485] 2W	4W	2W	1			Rx-	Data-			2			Rx+	Data+			3			Tx-				4			Tx+				5			GND				6			TxD				7			RTS				8			CTS				9			RxD			
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RS-485 Dual Isolation	N/A	N/A	N/A	N/A																																																																																																																																																																					
CAN Bus	N/A	N/A	N/A	N/A																																																																																																																																																																					
HDMI	N/A	N/A	N/A	N/A																																																																																																																																																																					
Audio Output	N/A	N/A	N/A	N/A																																																																																																																																																																					
Video Input	N/A	N/A	N/A	N/A																																																																																																																																																																					
RTC	Built-in	Built-in	Built-in	Built-in																																																																																																																																																																					
Input Power	10.8~28VDC	10.8~28VDC	10.8~28VDC	24±20%VDC																																																																																																																																																																					

Power Isolation	Built-in	Built-in	Built-in	Built-in
Power Consumption	300mA@24VDC	350mA@24VDC	500mA@24VDC	650mA@24VDC
Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
Isolation Resistance	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 500VDC	Exceed 50MΩ at 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)
PCB Coating	N/A	N/A	N/A	N/A
Enclosure	Plastic	Plastic	Plastic	Plastic
Dimensions WxHxD	128 x 102 x 32mm	200.4 x 146.5 x 34mm	200.4 x 146.5 x 34mm	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
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)
CE	CE marked	CE marked	CE marked	CE marked
ATEX	N/A	N/A	N/A	N/A
UL	N/A	N/A	N/A	N/A
Software	EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro	EasyBuilder Pro
Dimensions	<p>Top View</p> <p>Front View</p> <p>Side View</p> <p>Rear View</p> <p>Bottom View</p> <p>Cutout Dimensions</p>	<p>Top View</p> <p>Front View</p> <p>Side View</p> <p>Rear View</p> <p>Bottom View</p> <p>Cutout Dimensions</p>	<p>Top View</p> <p>Front View</p> <p>Side View</p> <p>Rear View</p> <p>Bottom View</p> <p>Cutout Dimensions</p>	<p>Top View</p> <p>Front View</p> <p>Side View</p> <p>Rear View</p> <p>Bottom View</p> <p>Cutout Dimensions</p>