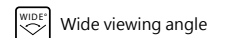


Advanced Model Specification

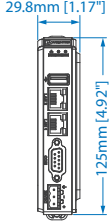
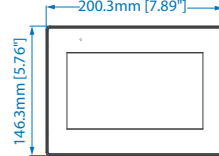
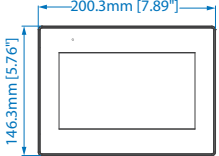
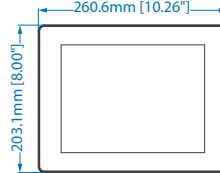
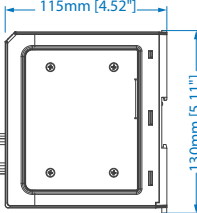
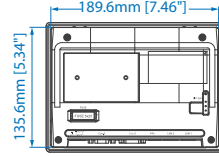
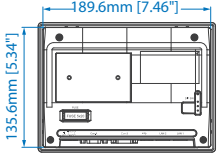
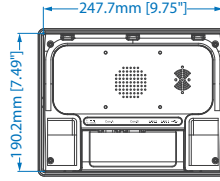

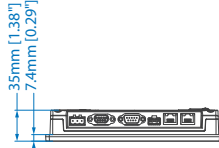
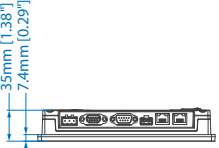
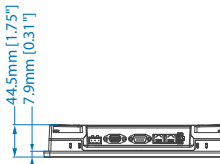

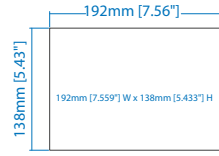
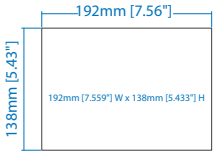
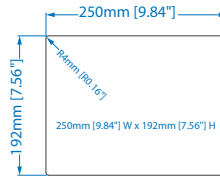


Model		cMT-FHDX-220	cMT3072X	cMT3072XH	cMT3092X	
Display	Display	N/A	7" TFT	7" IPS	9.7" TFT	
	Resolution	N/A	800 x 480	1024 x 600	1024 x 768	
	Brightness (cd/ m ²)	N/A	400	450	350	
	Contrast Ratio	N/A	800: 1	800: 1	500:1	
	Backlight Type	N/A	LED	LED	LED	
	Backlight Life Time	N/A	>30,000 hrs.	>25,000 hrs.	>30,000 hrs.	
	Colors	N/A	16.7M	16.7M	262K	
	LCD Viewing Angle (T/B/L/R)	N/A	80/60/80/80	85/85/85/85	60/70/70/70	
	Pixel Pitch (mm)	N/A	0.1926(H) x 0.179(V)	0.1506(H) x 0.1432(V)	0.192(H) x 0.192(V)	
	Touch Panel	Type	N/A	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type
Accuracy		N/A	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	4 GB	4 GB	4 GB	4 GB	
	RAM	1 GB	1 GB	1 GB	1 GB	
Processor		Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC	
I/O Port	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	
		COM Port	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	CAN Bus	N/A	Yes	Yes	Yes	
	HDMI	Customizable (max. resolution 1920 x 1080)	N/A	N/A	N/A	
	Recommended Resolutions (Please use these recommended screen resolutions to avoid compatibility issues.)		720x480 720x576 800x600 1024x768 1280x720 1366x768 1920x1080	N/A	N/A	N/A
		Audio Output	HDMI Audio Output	N/A	N/A	Built-in Mono Speaker
	RTC		Built-in	Built-in	Built-in	Built-in
	Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
		Power Isolation	Built-in	Built-in	Built-in	Built-in
Power Consumption		850mA@24VDC	850mA@24VDC	850mA@24VDC	1A@24VDC	
Voltage Resistance		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	
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		Yes	Yes	Yes	Yes	
Specification	Enclosure	Plastic	Plastic	Plastic	Plastic	
	Dimensions WxHxD	29.8 x 130 x 115 mm	200.3 x 146.3 x 35.0 mm	200.3 x 146.3 x 35.0 mm	260.6 x 203.1 x 44.5 mm	
	Panel Cutout	N/A	192 x 138 mm	192 x 138 mm	250 x 192 mm	
	Weight	Approx. 0.24 kg	Approx. 0.6 kg	Approx. 0.6 kg	Approx. 1 kg	
	Mount	35 mm DIN rail mounting	Panel mount	Panel mount	Panel mount, VESA mount 75 x 75 mm	
Environment	Protection Structure	IP20	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 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° ~ 55° C (32° ~ 131° F)	0° ~ 55° C (32° ~ 131° 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)	
Certificate	CE	CE marked	CE marked	CE marked	CE marked	
	UL	cULus Listed	cULus Listed	cULus Listed	cULus Listed	
Software		EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Built-in) Weincloud - Dashboard (Optional) CODESYS (Optional)	

*cMT3072X/ cMT3072XH/ cMT3092X: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.



Dimensions

cMT-FHDX-220	cMT3072X	cMT3072XH	cMT3092X
 <p>29.8mm [1.17"] 125mm [4.92"]</p> <p>Front View</p>	 <p>200.3mm [7.89"] 146.3mm [5.76"]</p> <p>Front View</p>	 <p>200.3mm [7.89"] 146.3mm [5.76"]</p> <p>Front View</p>	 <p>260.6mm [10.26"] 203.1mm [8.00"]</p> <p>Front View</p>
 <p>115mm [4.52"] 130mm [5.11"]</p> <p>Side View</p>	 <p>189.6mm [7.46"] 135.6mm [5.34"]</p> <p>Rear View</p>	 <p>189.6mm [7.46"] 135.6mm [5.34"]</p> <p>Rear View</p>	 <p>247.7mm [9.75"] 190.2mm [7.49"]</p> <p>Rear View</p>
 <p>35mm [1.38"] 7.4mm [0.29"]</p> <p>Top View</p>	 <p>35mm [1.38"] 7.4mm [0.29"]</p> <p>Bottom View</p>	 <p>35mm [1.38"] 7.4mm [0.29"]</p> <p>Bottom View</p>	 <p>44.5mm [1.75"] 7.9mm [0.31"]</p> <p>Bottom View</p>
 <p>Bottom View</p>	 <p>192mm [7.56"] 138mm [5.43"] 192mm [7.559"] W x 138mm [5.433"] H</p> <p>Cutout Dimensions</p>	 <p>192mm [7.56"] 138mm [5.43"] 192mm [7.559"] W x 138mm [5.433"] H</p> <p>Cutout Dimensions</p>	 <p>250mm [9.84"] 192mm [7.56"] 250mm [9.84"] W x 192mm [7.56"] H</p> <p>Cutout Dimensions</p>

Advanced Model Specification



Model		cMT3102X	cMT3152X	cMT3162X
Display	Display	10.1" TFT	15" IPS	15.6" IPS
	Resolution	1024 x 600	1024 x 768	1920 x 1080
	Brightness (cd/ m ²)	350	400	300
	Contrast Ratio	500:1	1000: 1	800: 1
	Backlight Type	LED	LED	LED
	Backlight Life Time	>50,000 hrs.	>50,000 hrs.	> 30,000 hrs.
	Colors	16.7M	16.2M	16.2M
	LCD Viewing Angle (T/B/L/R)	70/70/80/80	89/89/89/89	89/89/89/89
	Pixel Pitch (mm)	0.2175 (H) x 0.2088 (V)	0.297(H) x 0.297(V)	0.17925(H) x 0.17925(V)
Touch Panel	Type	4-wire Resistive Type	Tempered Glass, Capacitive Type* Hardness Scale 7H	Tempered Glass, Capacitive Type* Hardness Scale 7H
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	N/A	N/A
Memory	Flash	4 GB	4 GB	4 GB
	RAM	1 GB	1 GB	1 GB
Processor		Quad-core RISC	Quad-core RISC	Quad-core RISC
I/O Port	SD Card Slot	N/A	SD/SDHC	N/A
	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	WiFi	M02 WiFi Expansion Module (Optional)	N/A	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A	Yes	N/A
	CAN Bus	Yes	Yes	Yes
	Audio Output	N/A	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1	Built-in Mono Speaker
	RTC		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	1A@24VDC	1.3A@24VDC	1.3A@24VDC
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)	500VAC (1 min.)
	Isolation Resistance	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)
	Specification	PCB Coating	Yes	Yes
Enclosure		Plastic	Front bezel: Plastic, Rear Enclosure: Aluminum	Front bezel: Plastic, Rear Enclosure: Aluminum
Dimensions WxHxD		271 x 213 x 38 mm	366 x 293 x 51.5 mm	400 x 263 x 27.6 mm
Panel Cutout		260 x 202 mm	352 x 279 mm	384 x 247 mm
Weight		Approx. 1.2 kg	Approx. 2.75 kg	Approx. 1.6 kg
Mount		Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 100 x 100 mm
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP66 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° ~ 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)
Certificate	CE	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	cULus Listed
Software		EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Built-in) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)

*cMT3102X/ cMT3152X/ cMT3162X: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.



Wide viewing angle

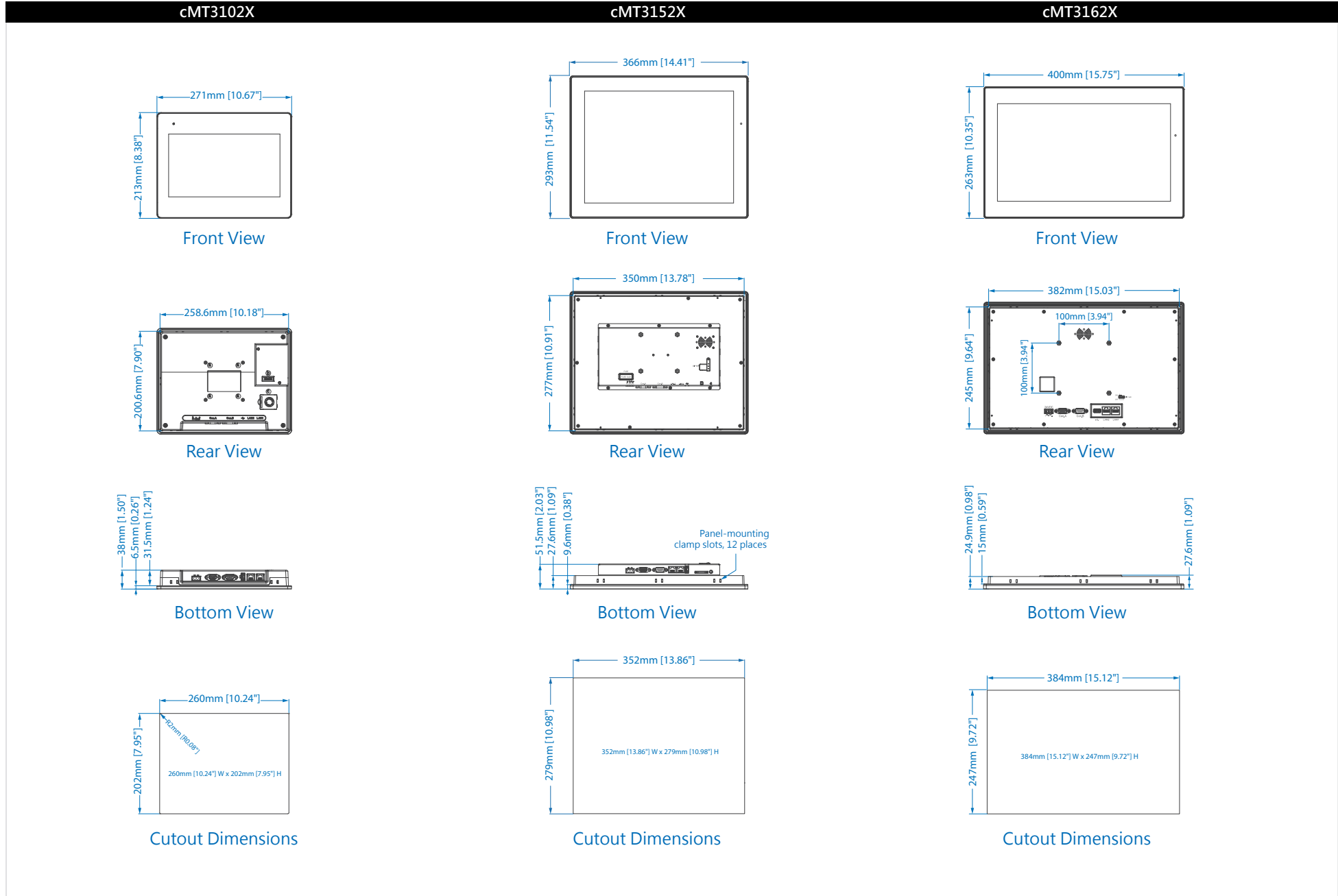


Capacitive Type



Vibration Alert

Dimensions



Standard Model Specification



	Model	cMT2078X	cMT2108X2	cMT2158X	cMT2166X	
Display	Display	7" TFT	10.1" TFT	15" IPS	15.6" IPS	
	Resolution	800 x 480	1024 x 600	1024 x 768	1920 x 1080	
	Brightness (cd/ m ²)	400	350	400	300	
	Contrast Ratio	800: 1	500:1	1000: 1	800: 1	
	Backlight Type	LED	LED	LED	LED	
	Backlight Life Time	>30,000 hrs.	>50,000 hrs.	>50,000 hrs.	>30,000 hrs.	
	Colors	16.7M	16.7M	16.2M	16.2M	
	LCD Viewing Angle (T/B/L/R)	80/60/80/80	70/70/80/80	89/89/89/89	89/89/89/89	
	Pixel Pitch (mm)	0.1926(H) x 0.179(V)	0.2175 (H) x 0.2088 (V)	0.297(H) x 0.297(V)	0.17925(H) x 0.17925(V)	
	Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	Tempered Glass, Capacitive Type* Hardness Scale 7H
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%	N/A	
Memory	Flash	4 GB	4 GB	4 GB	4 GB	
	RAM	1 GB	1 GB	1 GB	1 GB	
Processor		Quad-core RISC	Quad-core RISC	Quad-core RISC	Quad-core RISC	
I/O Port	SD Card Slot	N/A	N/A	SD/SDHC	N/A	
	USB Host	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	
	Ethernet	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 1	
	WiFi	N/A	M02 WiFi Expansion Module (Optional)	N/A	N/A	
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.	
	RS-485 Dual Isolation	N/A	N/A	Yes	N/A	
	Audio Output	N/A	N/A	Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1	Built-in Mono Speaker	
	RTC	Built-in	Built-in	Built-in	Built-in	
	Power	Input Power	24±20%VDC	24±20%VDC	24±20%VDC	24±20%VDC
		Power Isolation	Built-in	Built-in	Built-in	Built-in
Power Consumption		820mA@24VDC	1A@24VDC	1.3A@24VDC	0.9A@24VDC	
Voltage Resistance		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	
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)	
Specification	PCB Coating	Yes	Yes	Yes	Yes	
	Enclosure	Plastic	Plastic	Aluminum	Front bezel: Plastic, Rear Enclosure: Aluminum	
	Dimensions WxHxD	200.3 x 146.3 x 35.0 mm	271 x 213 x 38 mm	366 x 293 x 48.2mm	400 x 263 x 27.6 mm	
	Panel Cutout	192 x 138 mm	260 x 202 mm	352 x 279 mm	384 x 247 mm	
	Weight	Approx. 0.6 kg	Approx. 1.2 kg	Approx. 2.6 kg	Approx. 1.6 kg	
	Mount	Panel mount	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 100 x 100 mm	
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP66 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° ~ 55° C (32° ~ 131° 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)	
Certificate	CE	CE marked	CE marked	CE marked	CE marked	
	UL	cULus Listed	cULus Listed	cULus Listed		
Software		EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional) CODESYS (Optional)	EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional)	

*cMT2078X/ cMT2108X2/ cMT2158X/ cMT2166X: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

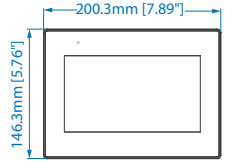
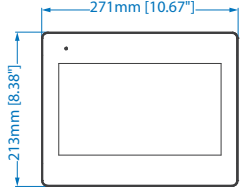
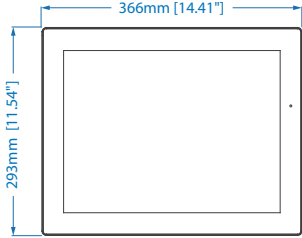
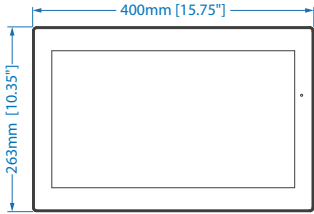
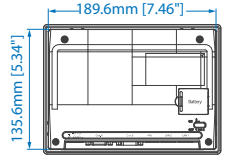
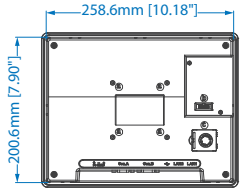
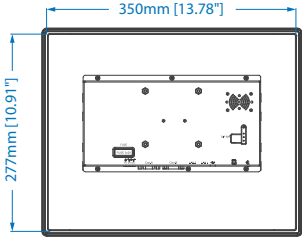
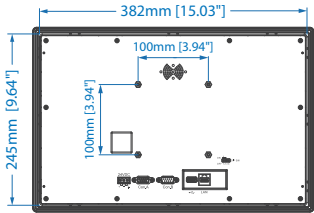
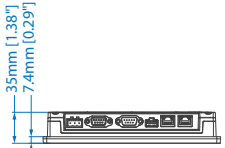
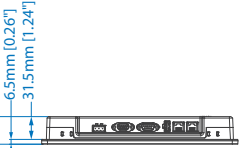
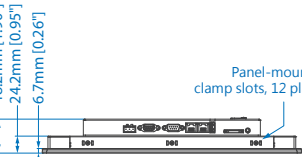
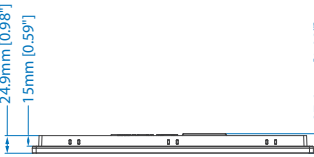
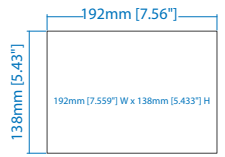
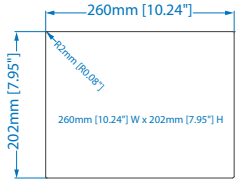
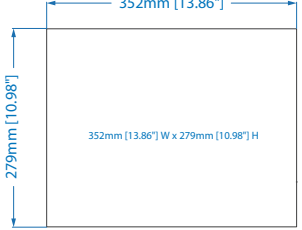
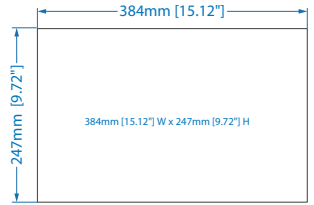


Wide viewing angle



Capacitive Type

Dimensions

cMT2078X	cMT2108X2	cMT2158X	cMT2166X
 <p>200.3mm [7.89"] 146.3mm [5.76"]</p> <p>Front View</p>	 <p>271mm [10.67"] 213mm [8.38"]</p> <p>Front View</p>	 <p>366mm [14.41"] 293mm [11.54"]</p> <p>Front View</p>	 <p>400mm [15.75"] 263mm [10.35"]</p> <p>Front View</p>
 <p>189.6mm [7.46"] 135.6mm [5.34"]</p> <p>Rear View</p>	 <p>258.6mm [10.18"] 200.6mm [7.90"]</p> <p>Rear View</p>	 <p>350mm [13.78"] 277mm [10.91"]</p> <p>Rear View</p>	 <p>382mm [15.03"] 245mm [9.64"] 100mm [3.94"] 100mm [3.94"]</p> <p>Rear View</p>
 <p>35mm [1.38"] 7.4mm [0.29"]</p> <p>Bottom View</p>	 <p>38mm [1.50"] 6.5mm [0.26"] 31.5mm [1.24"]</p> <p>Bottom View</p>	 <p>48.2mm [1.90"] 24.2mm [0.95"] 6.7mm [0.26"]</p> <p>Panel-mounting clamp slots, 12 places</p> <p>Bottom View</p>	 <p>24.9mm [0.98"] 15mm [0.59"] 27.6mm [1.09"]</p> <p>Bottom View</p>
 <p>192mm [7.56"] 138mm [5.43"] 192mm [7.559"] W x 138mm [5.433"] H</p> <p>Cutout Dimensions</p>	 <p>260mm [10.24"] 202mm [7.95"] R2mm [R0.08"] 260mm [10.24"] W x 202mm [7.95"] H</p> <p>Cutout Dimensions</p>	 <p>352mm [13.86"] 279mm [10.98"] 352mm [13.86"] W x 279mm [10.98"] H</p> <p>Cutout Dimensions</p>	 <p>384mm [15.12"] 247mm [9.72"] 384mm [15.12"] W x 247mm [9.72"] H</p> <p>Cutout Dimensions</p>

Basic Model Specification



Model		cMT1106X
Display	Display	10.1" TFT
	Resolution	1024 x 600
	Brightness (cd/ m')	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/70/80/80
	Pixel Pitch (mm)	0.2175 (H) x 0.2088 (V)
	Touch Panel	Type
Accuracy		Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	4 GB
	RAM	1 GB
Processor		Quad-core RISC
I/O Port	USB Host	USB 2.0 x 1
	Ethernet	10/100 Base-T x 1
	WiFi	M02 WiFi Expansion Module (Optional)
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	720mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	271 x 213 x 38 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1.2 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	NEMA4 / IP66 Compliant Front Panel
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software		EasyBuilder Pro Weincloud - EasyAccess 2.0 (Optional) Weincloud - Dashboard (Optional)

Dimensions

cMT1106X

Front View

Rear View

Bottom View

Cutout Dimensions

*cMT1106X: Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

Accessories



Model		M02
Network	WiFi	IEEE 802.11b IEEE 802.11g IEEE 802.11n
I/O Port	SMA Female Connector	1
	Male Connector to HMI	1
Power	Input Power	5VDC
	Power Consumption	900mA@5VDC (powered by HMI)
	Voltage Resistance	500VAC (1min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
Specification	Enclosure	Plastic
	Dimensions WxHxD	54.5 x 80 x 24.1 mm
	Weight	Approx. 80 g
	Mount	HMI connector + diagonal screw fastening
Environment	Protection Structure	M02: IP20 Compliant Antenna: IP66 Compliant
	Storage Temperature	-20° ~ 60° C (-4° ~ 140° F)
	Operating Temperature	0° ~ 50° C (32° ~ 122° F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software		EasyBuilder Pro

Dimensions

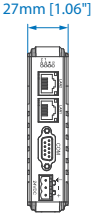
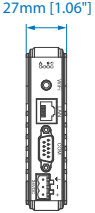
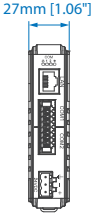
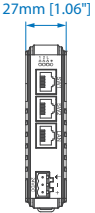
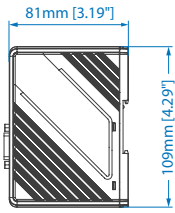
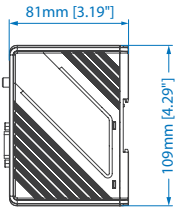
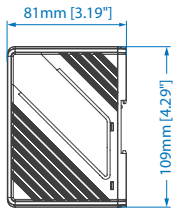
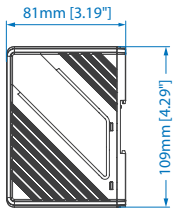








Model	M02
Front View	<p>54.5mm [2.15"] 80mm [3.15"]</p>
Side View	<p>24.1mm [0.95"]</p>
Antenna	<p>2000mm [78.74"] SMA Male Connector RG174 Black Coaxial Cable 16mm [0.63"] Foam Sticker 60mm [2.36"] Wire bending dimension (Min.)</p>

Specification



	Model	cMT-G01	cMT-G02	cMT-G03	cMT-G04
Memory	Flash	256 MB	256 MB	256 MB	256 MB
	RAM	256 MB	256 MB	256 MB	256 MB
Processor		32-bit RISC 600MHz	32-bit RISC 600MHz	32-bit RISC 528MHz	32-bit RISC 528MHz
I/O Port	Ethernet	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1	10/100 Base-T x 1	10/100 Base-T x 1	LAN: 10/100 Base-T x 1 SW1, SW2: 10/100 Base-T x 1 (2 port Ethernet switch)
	WiFi	N/A	IEEE 802.11 b/g/n 802.11b: max 15.88 dBm 802.11g: max 11.92 dBm 802.11n: max 11.28 dBm	N/A	N/A
	COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 2W, RS-485 2W/4W COM2: RS-232 2W, RS-485 2W/4W	N/A
RTC		Built-in	Built-in	Built-in	Built-in
Power	Input Power	24±20%VDC	10.5~28VDC	10.5~28VDC	10.5~28VDC
	Power Isolation	Built-in	Built-in	Built-in	Built-in
	Power Consumption	230mA@24VDC	230mA@12VDC ; 115mA@24VDC	300mA@12VDC ; 150mA@24VDC	270mA@12VDC ; 150mA@24VDC
	Voltage Resistance	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
	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)
Specification	PCB Coating	Yes	Yes	Yes	Yes
	Enclosure	Plastic	Plastic	Plastic	Plastic
	Dimensions WxHxD	27 x 109 x 81 mm	27 x 109 x 81 mm	27 x 109 x 81 mm	27 x 109 x 81 mm
	Weight	Approx. 0.14 kg	Approx. 0.14 kg	Approx. 0.14 kg	Approx. 0.14 kg
	Mount	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting	35 mm DIN rail mounting
Environment	Protection Structure	IP20	IP20	IP20	IP20
	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)
Certificate	CE	CE marked	CE marked	CE marked	CE marked
	UL	cULus Listed	cULus Listed	cULus Listed	cULus Listed
Software		EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro EasyAccess 2.0 (Optional)

Dimensions

cMT-G01	cMT-G02	cMT-G03	cMT-G04
 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>	 <p>27mm [1.06"]</p>
Front View	Front View	Front View	Front View
 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>	 <p>81mm [3.19"] 109mm [4.29"]</p>
Side View	Side View	Side View	Side View
			
Top View	Top View	Top View	Top View
			
Bottom View	Bottom View	Bottom View	Bottom View

Specification



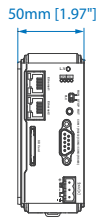
	Model	cMT-CTRL01	cMT-SVR-100	cMT-SVR-102	cMT-SVR-200	cMT-SVR-202
Memory	Flash	4 GB	256 MB		256 MB	
	RAM	512 MB	256 MB		256 MB	
	Data, Memory, Code	3 MB	N/A		N/A	
	Retain area	16 KB (every minute) (Kept after reboots)	N/A		N/A	
	Persistent area	16 KB (every minute) (Kept after downloads)	N/A		N/A	
	File system	8MB	N/A		N/A	
Processor		Dual-Core 32 bits RISC 1GHz	32-bit RISC 600MHz		32-bit RISC 600MHz	
I/O Port	SD Card Slot	SD/SDHC	SD/SDHC		SD/SDHC	
	USB Host	N/A	USB 2.0 x 1		USB 2.0 x 1	
	Ethernet	Ethernet 1: 10/100/1000 Base-T x 1 Ethernet 2: 10/100 Base-T x 1	10/100/1000 Base-T x 2		10/100/1000 Base-T x 1	
	WiFi	N/A	N/A		IEEE 802.11 b/g/n 802.11b: max 18.01 dBm 802.11g: max 11.02 dBm 802.11n: max 12.20 dBm	
	COM Port	COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W		COM1: RS-232 2W COM2: RS-485 2W/4W COM3: RS-485 2W	
	Local bus	iBus	N/A		N/A	
CODESYS	Protocol	Modbus TCP/IP Master, EtherCAT Master	N/A		N/A	
RTC		Built-in	Built-in		Built-in	
Power	Input Power	24±20%VDC	24±20%VDC		10.5~28VDC	
	Power Isolation	Built-in	Built-in		Built-in	
	Power Dissipation	Nominal 310mA@24VDC	N/A		N/A	
	Current for Internal Bus	Max 2A@5VDC	N/A		N/A	
	Current Consumption	550mA@5VDC	N/A		N/A	
	Power Consumption	Nominal 310mA@24VDC	230mA@24VDC		1000mA@12VDC ; 450mA@24VDC	
	Voltage Resistance	500VAC (1 min.)	500VAC (1 min.)		500VAC (1 min.)	
	Isolation Resistance	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)		
Specification	PCB Coating	Yes	Yes		Yes	
	Enclosure	Plastic	Plastic		Plastic	
	Dimensions WxHxD	50 x 109 x 81 mm	27 x 130 x 115 mm		27 x 130 x 115 mm	
	Weight	Approx. 0.24 kg	Approx. 0.18 kg		Approx. 0.18 kg	
	Mount	35 mm DIN rail mounting	35 mm DIN rail mounting		35 mm DIN rail mounting	
Environment	Protection Structure	IP20	IP20		IP20	
	Storage Temperature	-20° ~ 70° C (-4° ~ 158° F)	-20° ~ 70° C (-4° ~ 158° F)		-20° ~ 70° C (-4° ~ 158° F)	
	Operating Temperature	-10° ~ 50° C (14° ~122° F)	-20° ~ 55° C (-4° ~ 131° F)		-10° ~ 55° C (14° ~ 131° F)	
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)		10% ~ 90% (non-condensing)	
Certificate	CE	CE marked	CE marked		CE marked	
	UL	cULus Listed	cULus Listed		cULus Listed	
Software		EasyBuilder Pro EasyAccess 2.0 (Optional) Built-in CODESYS	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0	EasyBuilder Pro EasyAccess 2.0 (Optional)	EasyBuilder Pro Built-in EasyAccess 2.0

Dimensions

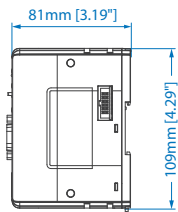
cMT-CTRL01

cMT-SVR100 / cMT-SVR102

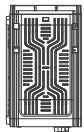
cMT-SVR-200 / cMT-SVR-202



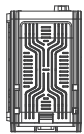
Front View



Side View



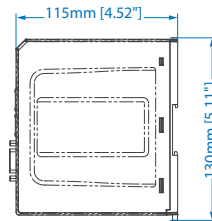
Top View



Bottom View



Front View



Side View



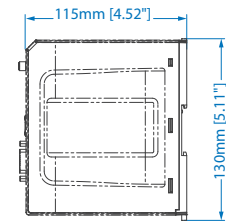
Top View



Bottom View



Front View



Side View



Top View



Bottom View

Quick Feature Comparison

Basic Model Standard Model Advanced Model Other Model

	cMT1106X	cMT2078X	cMT2108X2	cMT2158X	cMT2166X	cMT3072X cMT3072XH	cMT3092X	cMT3102X	cMT3152X	cMT3162X	cMT-FHDX-220	Gateway cMT-G01 / cMT-G02 cMT-G03 / cMT-G04	cMT-CTRL01	cMT-SVR-100 cMT-SVR-200
Audio Output				●	●		●		●	●	via HDMI			
WiFi (Optional (M02 Module))			Optional (M02 Module)					Optional (M02 Module)					cMT-G02	cMT-SVR-200
CAN Bus						●	●	●	●	●				
Siemens MPI						cMT3072XH	●	●	●	●	●	●	●	●
Vibration Feedback											●			
Touch Gesture					●				●	●				
3G/4G Dongle	●	●	●	●	●	●	●	●	●	●	●			●
cMT Viewer	●	●	●	●	●	●	●	●	●	●	●			●
EasyWeb 2.0	●	●	●	●	●	●	●	●	●	●	●			
WebView		●	●	●	●	●	●	●	●	●	●			
VNC Server	●	●	●	●	●	●	●	●	●	●	●			
Barcode Scanner (Android)						●	●	●	●	●	●			●
Event Bar Chart						●	●	●	●	●	●			●
IP Camera/Media Player		●	●	●	●	●	●	●	●	●	●			
Picture View File Browser PDF Reader	●	●	●	●	●	●	●	●	●	●	●			
PLC Web Browser						●	●	●	●	●				
Energy Demand						●	●	●	●	●	●			●
MQTT	●*	●	●	●	●	●	●	●	●	●	●	●	●	●
OPC UA Client	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPC UA Server						●	●	●	●	●	Optional	●	●	Optional
Database Server						●	●	●	●	●	●	●	●	●
SQL Query						●	●	●	●	●	●	●	●	●
CODESYS		Optional	Optional	Optional		Optional	Optional	Optional	Optional	Optional	Optional		●	
Dashboard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional			
EasyAccess 2.0	Optional	Optional	Optional	Optional	Optional	Optional	Built-in	Optional	Built-in	Optional	Optional	Optional	Optional	cMT-SVR-100 cMT-SVR-200 Optional
														cMT-SVR-102 cMT-SVR-202 Built-in License

*Dashboard requires EasyBuilder Pro V6.06.01 or later versions.
*AWS IoT, Sparkplug B, Azure IoT Hub, Google Cloud IoT Core is not supported.

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