

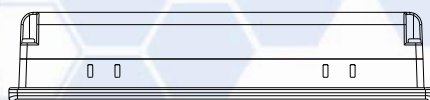


Human Machine Interface with 7" TFT Display

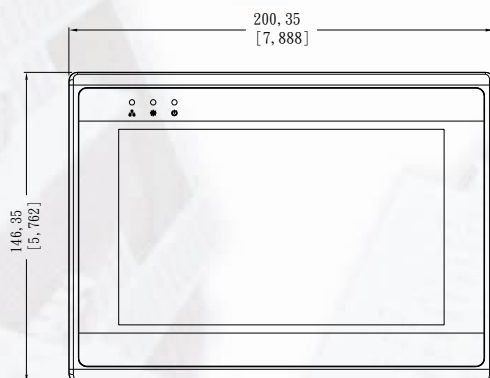
Features

- Aluminum Housing and Brand-new Color & Design
- 7" 800x480 TFT LCD
- Fan-less Cooling System
- Built-in 256MB Flash Memory and RTC
- NEMA4/IP66 Compliant Front Panel
- One USB Host and One USB Client Port
- SD Card Slot supports SD and SDHC cards
- Power Isolator Inside
- Com1 or Com3 RS485 2W Supports MPI 187.5K
- CAN Bus Device Supports CANopen Protocol
- Com1 / Com3 RS485 & CAN Bus Built-in Isolation

Display	Display	7" TFT
	Resolution	800x480
	Brightness (cd/m ²)	500
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	30,000 hr.
	Colors	65535
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Storage(MB)	256
	RAM (MB)	256
Processor		32Bit RISC CPU 600MHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1
	Ethernet	10/100 Base-T
	COM Port	COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W)
	CAN Bus	Yes
	Audio	Audio Line Out – 3.5 mm jack x 1
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Consumption	400m A@24V
	Power Isolation	Built In
	Voltage Resistance	500VAC (1 min)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Aluminum
	Dimensions WxHxD	200 x 146 x 42.5mm
	Panel Cutout (mm)	192 x 138mm
	Weight (kg)	Approx. 0.9 kg
Environment	Protection Structure	IP66 front panel (O ring seal)
	Storage Temperature	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	-20° ~ 50°C (-4° ~ 122°F)
	Relative Humidity	10% ~ 90% RH (non-condensing)
Certifications	CE	EN 55022: 2006 + A1: 2007 EN 61000-3-2: 2006 + A2: 2009 EN 61000-3-3: 2008 EN 55024: 1998 + A1: 2001 + A2: 2003
	FCC	Comply with FCC class A
	UL	UL508 Type 1, NEMA 4
Software		EasyBuilder Pro



Top View



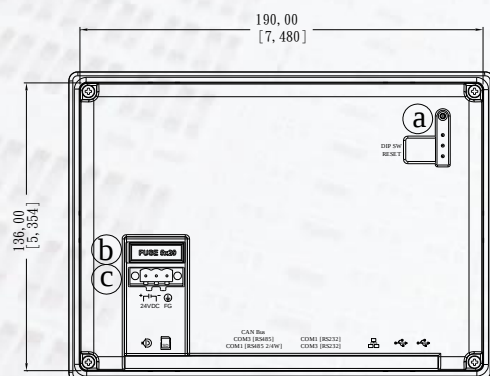
Front View



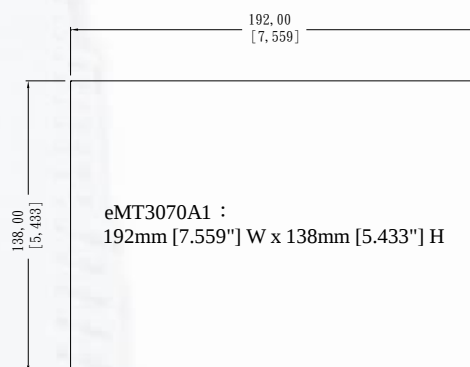
Side View



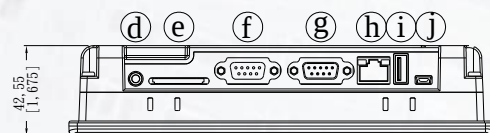
Side View



Rear View



Cutout Dimensions



Bottom View

Ordering Information

□ **eMT3070A**: 7" TFT LCD HMI, 256MB flash memory/ 256MB RAM on board

□ **FLZ485000**
Multi-Connector cable
Com1[485]/Com3[485]/
CAN Bus

□ **FLZ232000**
Multi-Connector cable
Com1[232]/Com3[232]

a	DIP SW & Reset Button	f	Com1 RS485, Com3 RS485, CAN Bus
b	Fuse	g	Com1 RS232, Com3 RS232
c	Power Connector	h	Ethernet Port
d	Line Out	i	USB Host Port
e	SD Card Slot	j	USB Client Port



10.4" SVGA TFT Display HMI

Features

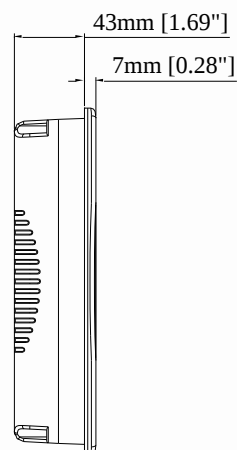
- 10.4" 800x600 TFT LCD
- Fan-less Cooling System
- Built-in 256MB Flash Memory and RTC
- IP65 Compliant Front Panel
- SD Card Slot Supports SD/SDHC Cards
- Power Isolator Inside
- Com1 or Com3 RS485 2W Supports MPI 187.5K
- CAN Bus Device Supports CANopen Protocol
- Com1 / Com3 RS485 & CAN Bus Built-in Isolation

Display	Display	10.4" TFT
	Resolution	800 x 600
	Brightness (cd/m ²)	400
	Contrast Ratio	400:1
	Backlight Type	LED
	Backlight Life Time	30,000 hr.
	Colors	262K
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Storage(MB)	256
	RAM (MB)	256
Processor		32Bit RISC CPU 800MHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1
	Ethernet	10/100 Base-T
	COM Port	COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W)
	CAN Bus	Yes
	Audio	Audio Line Out – 3.5 mm jack x 1
RTC		Yes
Power	Input Power	24±20%VDC
	Power Consumption	800m A@24V
	Power Isolation	Built In
	Voltage Resistance	500VAC (1 min)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Plastic
	Dimensions WxHxD	286 x 212 x 50mm
	Panel Cutout (mm)	259 x 201
	Weight (kg)	Approx. 1.6 kg
Environment	Protection Structure	IP65 front panel (O ring seal)
	Storage Temperature	-20°~60°C (-4° ~ 140°F)
	Operating Temperature	0°~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% RH (non-condensing)
Certifications	CE	EN55022 : 2006+A1 : 2007 EN61000-3-2 : 2006+A2: 2009 EN61000-3-3 : 2008 EN55024 : 1998 + A1: 2001+A2 : 2003
	FCC	Comply with FCC class A
Software		EasyBuilder Pro

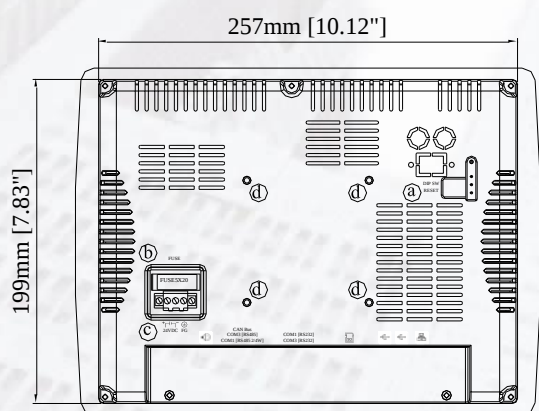
Dimensions of eMT3105P



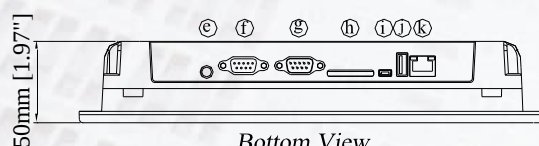
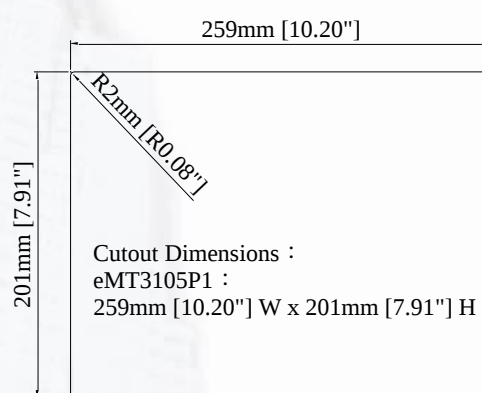
Front View



Side View



Rear View



Bottom View

a	DIP SW & Reset Button
b	Fuse
c	Power Connector
d	VESA 75mm Screw Holes
e	Line Out
f	Com1 RS485, Com3 RS485, CAN bus
g	Com1 RS232, Com3 RS232
h	SD CARD SLOT
i	USB Client port
j	USB Host port
k	Ethernet Port

Ordering Information

□ eMT3105P

10.4" TFT LCD HMI,
256MB flash memory/256MB RAM on board

□ FLZ485000

Multi-Connector cable Com1[485]/Com3[485]/CAN Bus

□ FLZ232000

Multi-Connector cable Com1[232]/Com3[232]

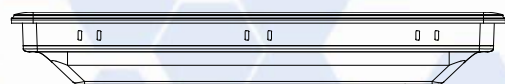


HMI with 12.1" XGA TFT Display

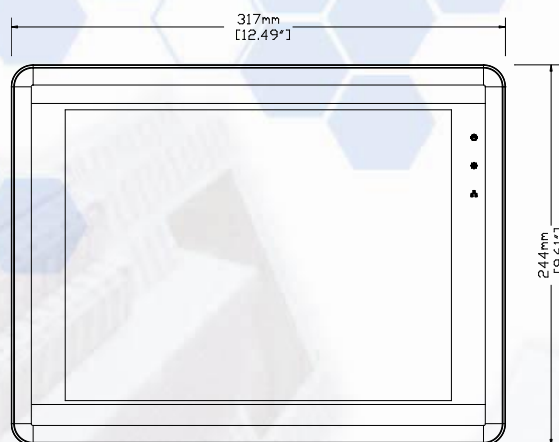
Features

- Aluminum Housing and Brand-new Color & Design
- Video Input Ports Support NTSC and PAL
- 12.1" 1024x768 TFT Industrial Grade LCD
- Fan-less Cooling System
- Built- in 256MB Flash Memory and RTC
- NEMA4/IP66 Compliant Front Panel
- Long Life LED Back Light with Ceramics Package
- SD Card Slot Supports SD/SDHC Cards
- Power Isolator Inside
- Com1 or Com3 RS485 2W Supports MPI 187.5K
- CAN Bus Device Supports CANopen Protocol
- Com1 / Com3 RS485 & CAN Bus Built-in Isolation

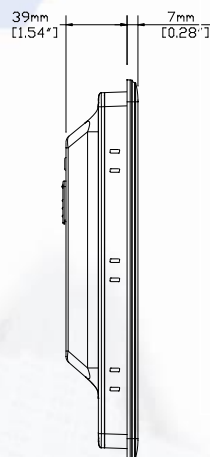
Display	Display	12.1" TFT
	Resolution	1024 x 768
	Brightness (cd/m ²)	500
	Contrast Ratio	700:1
	Backlight Type	LED
	Backlight Life Time	50,000 hr.
	Colors	16.2M
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Storage(MB)	256
	RAM (MB)	256
Processor		32Bit RISC CPU 800MHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1
	Ethernet	10/100 Base-T
	COM Port	COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W),CAN Bus
	Audio	Audio Line Out – 3.5 mm jack x 1
	Video Input Port	NTSC/PAL RCA x 2
RTC		Yes
Power	Input Power	24±20%VDC
	Power Consumption	850m A@24V
	Power Isolation	Built In
	Voltage Resistance	500VAC (1 min)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Aluminum
	Dimensions WxHxD	317 x 244 x 46mm
	Panel Cutout (mm)	305 x 231
	Weight (kg)	Approx. 2.1 kg
Environment	Protection Structure	IP66 front panel (O ring seal)
	Storage Temperature	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% RH (non-condensing)
Certifications	CE	EN 55022: 2006+A1: 2007 EN 61000-3-2: 2006+A2: 2009 EN 61000-3-3: 2008 EN 55024: 1998+A1: 2001+A2: 2003
	FCC	Comply with FCC class A
	UL	UL508 Type 1, NEMA 4
Software		EasyBuilder Pro



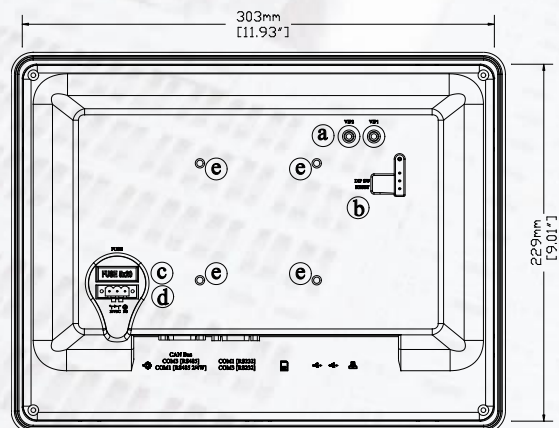
Top View



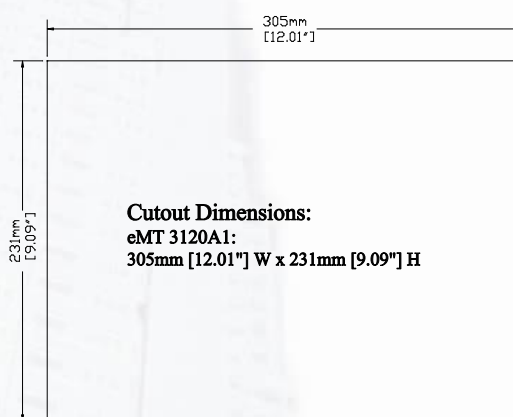
Front View



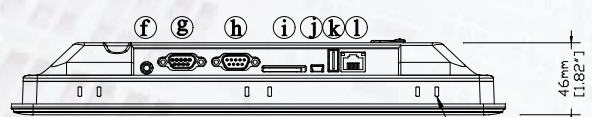
Side View



Rear View



Cutout Dimensions:
eMT 3120A1:
305mm [12.01"] W x 231mm [9.09"] H



Bottom View

Panel-mounting clamp slots, 12 places

Ordering Information

- **eMT3120A**
12.1" TFT LCD HMI,
256MB flash memory/
256MB RAM on board,
Video Input Port RCA x 2
- **FLZ485000**
Multi-Connector cable
Com1[485]/Com3[485]/
CAN Bus
- **FLZ232000**
Multi-Connector cable
Com1[232]/Com3[232]

a	Video Input Port x 2	g	Com1 RS485, Com3 RS485, CAN bus
b	DIP SW & Reset Button	h	Com1 RS232, Com3 RS232
c	Fuse	i	SD CARD SLOT
d	Power Connector	j	USB Client port
e	VESA 75mm Screw Holes	k	USB Host port
f	Line Out	l	Ethernet Port

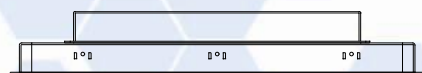


HMI with 15" X VGA TFT Display

Features

- Aluminum Housing and Brand-new Color & Design
- Video Input Ports Support NTSC and PAL
- 15" 1024x768 TFT Industrial Grade LCD
- Fan-less Cooling System
- Built-in 256MB Flash Memory and RTC
- NEMA4/IP65 Compliant Front Panel
- Long Life LED Back Light with Ceramics Package
- SD Card Slot Supports SD/SDHC Cards
- Power Isolator Inside
- Com1 or Com3 RS485 2W Supports MPI 187.5K
- CAN Bus Device Supports CANopen Protocol
- Com1 / Com3 RS485 & CAN Bus Built-in Isolation

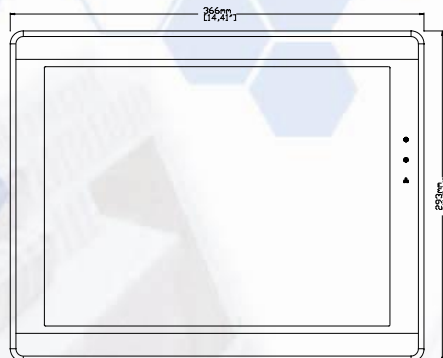
Display	Display	15" TFT
	Resolution	1024 x 768
	Brightness (cd/m ²)	350
	Contrast Ratio	700:1
	Backlight Type	LED
	Backlight Life Time	50,000 hr.
	Colors	16.2M
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Storage(MB)	256
	RAM (MB)	256
Processor		32Bit RISC CPU 800MHz
I/O Port	SD Card Slot	SD/SDHC
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1
	Ethernet	10/100 Base-T
	COM Port	COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W)
	CAN Bus	Yes
	Audio	Audio Line Out – 3.5 mm jack x 1
RTC	Video Input Port	NTSC/PAL RCA x 2
		Yes
Power	Input Power	24±20%VDC
	Power Consumption	900 m A@24V
	Power Isolation	Built In
	Voltage Resistance	500VAC (1 min)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Aluminum
	Dimensions WxHxD	366 x 293 x 57mm
	Panel Cutout (mm)	352 x 279
	Weight (kg)	Approx. 2.75 kg
Environment	Protection Structure	IP65 front panel
	Storage Temperature	-20° ~ 70°C (-4° ~ 158°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% RH (non-condensing)
Certifications	CE	EN 55022: 2006+A1: 2007 EN 61000-3-2: 2006+A2: 2009
	FCC	EN 61000-3-3: 2008 EN 55024: 1998+A1: 2001+A2: 2003
	UL	Comply with FCC class A
Software		UL508 Type 4X
		EasyBuilder Pro



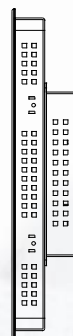
Top View



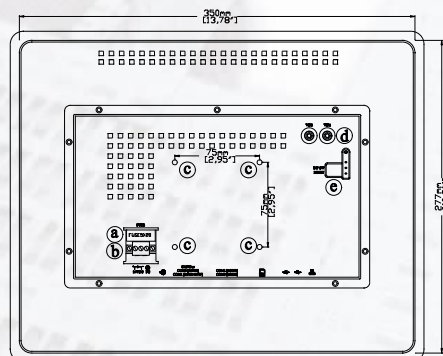
Side View



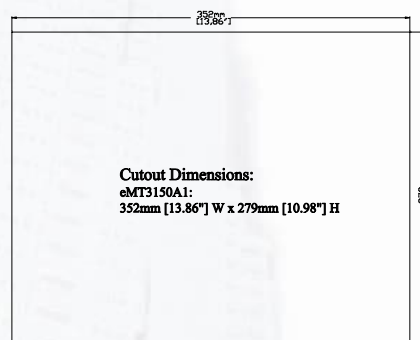
Front View



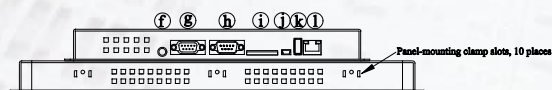
Side View



Rear View



Cutout Dimensions:
eMT3150A1:
352mm [13.86"] W x 279mm [10.98"] H



Bottom View

Ordering Information

□ eMT3150A

15" TFT LCD HMI,
256MB flash memory/
256MB RAM on board,
Video Input Port RCA x 2

□ FLZ485000

Multi-Connector cable
Com1[485]/Com3[485]/
CAN Bus

□ FLZ232000

Multi-Connector cable
Com1[232]/Com3[232]

a	Fuse	g	Com1 RS485, Com3 RS485, CAN Bus
b	Power Connector	h	Com1 RS232, Com3 RS232
c	VESA 75mm Screw Holes	i	SD CARD SLOT
d	Video Input Port x 2	j	USB Client port
e	DIP SW & Reset Button	k	USB Host port
f	Line Out	l	Ethernet Port