eMT3000
SERIES

Professional In Human Machine Interface

WEINTEK

Perfectly Designed
Extremely Easy

Professional in Human Machine Interface

SERIES

eMT3000

Highest Standards · Aesthetic Appeal · Sturdy Aluminum Casing

- The high-speed 600/800 MHz microprocessor has an outstanding data processing architecture that enhances communication throughput and graphic display functionality to perform complicated animations and multi-page switching without delay
- Employs a sturdy aluminum casing
- Vivid screens including a new 12" 1024 by 768 pixel TFT display
- CANopen protocol support
- Isolation in 24VDC input
- Isolation in RS485/CAN bus
- Accurate and reliable touchscreens with a guaranteed lifespan of one million continuous key presses
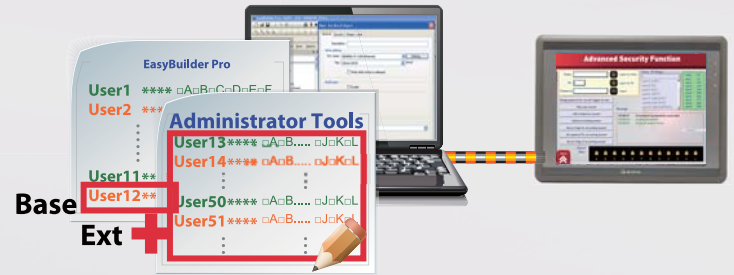- Industrial-Grade construction
- Aesthetically appealing

□ Enhanced Account Management

- ● Add/Delete Accounts
- ● Modify Privileges
- ● Reset Passwords

□ Extended User Accounts and Access Levels

- ● Extended user accounts (128)
- ● Extended access levels (14)

□ USB Security Key

Now you can assign access levels for specific periods of time

2.Restrict access to some operations in the HMI with the USB security key

1.Create a USB Security Key via Administrator Tools

Assign different access levels for objects or features to enhance security control

☐ **Powerful Connectivity**

Siemens MPI
(n - n)

Siemens PPI
(n - n)

BACnet / IP

Siemens S7-1200
Ethernet (Free Tag)

EtherNet / IP
(Free Tag)

Mitsubishi QnU USB

Free Port
Protocol

CANopen

☐ Powerful Macro Editor and Commands

- Macro syntax is similar to VB-Script. Users can
  use Macros to design the desired additional features.
- Powerful Macro commands support user defined protocols
  (free protocol) for other communication devices.
- Sophisticated features are designed for processing complex
  expressions and string manipulation. This enhances the communication
  between users and projects.
- The new Macro editing window with toolbars makes designing Macros
  extremely easy.
- Supports the creation of user-defined Macro Libraries. This feature.
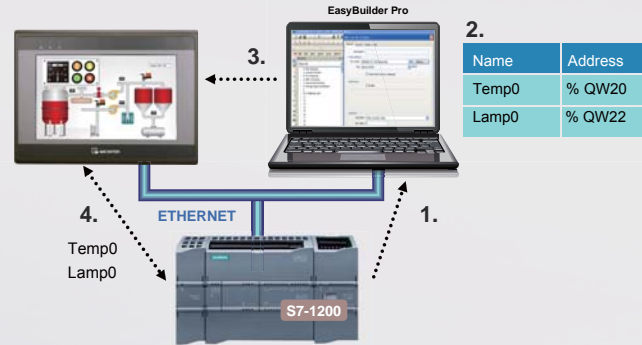 allows Macro Libraries to be used in future HMI project designs.
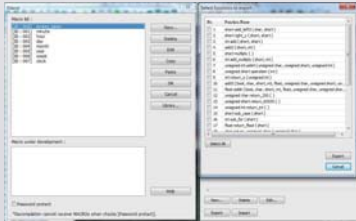
☐ Use Label Tags to Display Multiple Languages

Label Tag Library a spreadsheet-like display for inputting text in
different languages for application in a project. Export Label Tags in
CSV format to Excel for editing. Language contents can then be edited
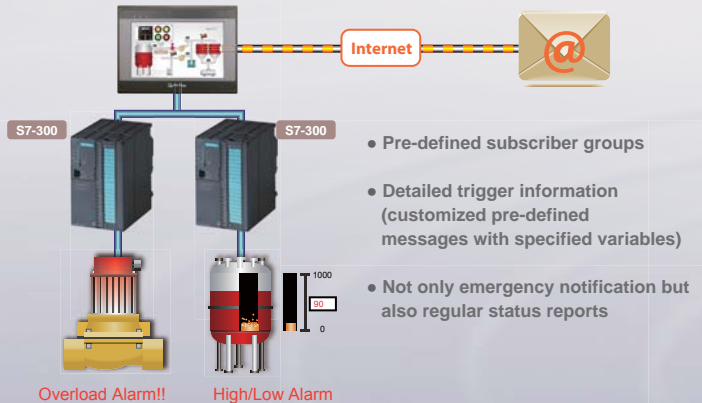further and imported to the Label Tag table.

Deutschland United States Italia

Türkiye France 대한민국 España

☐ Address Tag

1. **Get Tag Information**
2. **Edit Project with Tag Name**
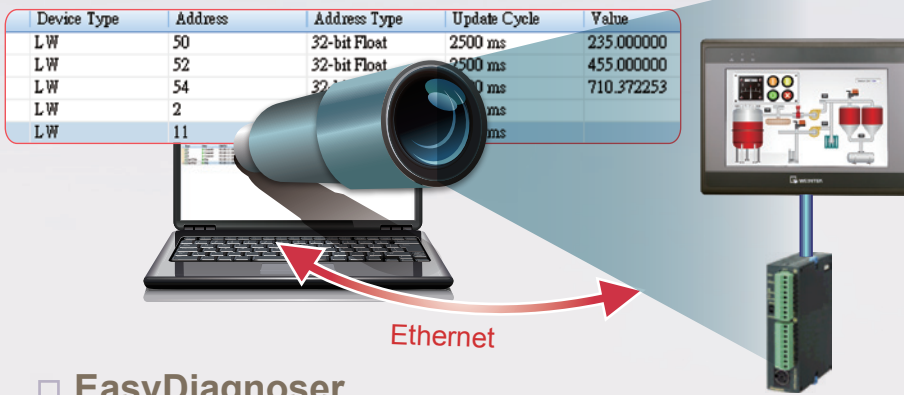3. **Download Project to HMI**
4. **Communication via Tag Name**

EasyBuilder Pro

2.

Name	Address
Temp0	% QW20
Lamp0	% QW22

3.

4.

ETHERNET

1.

Temp0
Lamp0

S7-1200

☐ E-mail Notification

Inform personnel via E-mail when alarms occur

Internet

S7-300 S7-300

- **Pre-defined subscriber groups**

- **Detailed trigger information
  (customized pre-defined
  messages with specified variables)**

- **Not only emergency notification but
 also regular status reports**

Overload Alarm!! High/Low Alarm

□ EasyWatch

A powerful tool for monitoring and modifying specific address values of remote HMI and PLC devices.

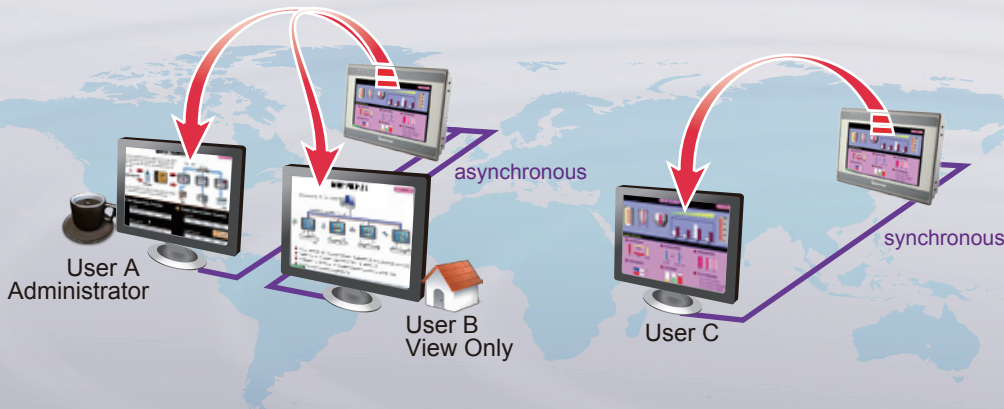| Device Type	Address	Address Type	Update Cycle	Value
LW	50	32-bit Float	2500 ms	235.000000
LW	52	32-bit Float	2500 ms	455.000000
LW	54	32	0 ms	710.372253
LW	2		ms	
LW	11		ms	

Ethernet

□ EasyDiagnoser

The EasyDiagnoser utility helps you to analyze and detect communications between the HMI and PLC.

Ethernet   HMI

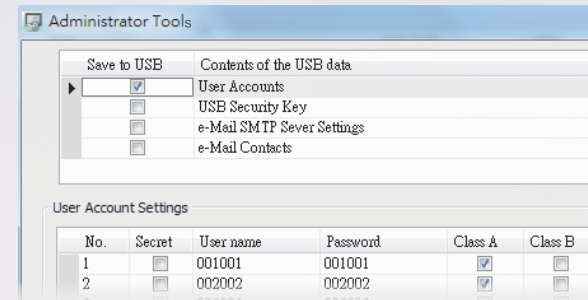Remote Diagnosis
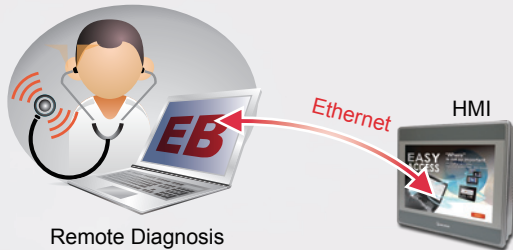
□ Easy Access

Via the innovative EasyAccess feature, you can easily manage your eMT3000 Series HMI on a network.

asynchronous

synchronous

User A
Administrator

User B
View Only

User C

□ Account Management and E-mail Configuration via Administrator Tools

Save to USB	Contents of the USB data
✓	User Accounts
☐	USB Security Key
☐	e-Mail SMTP Sever Settings
☐	e-Mail Contacts

User Account Settings

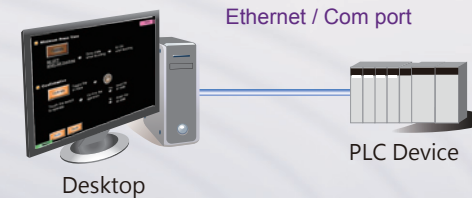| No.	Secret	User name	Password	Class A	Class B
1	☐	001001	001001	✓	☐
2	☐	002002	002002	✓	☐

□ EasySimulator

During or after project programming, you can execute an Online Simulation on a PC by directly connecting it to your with PLC (10 min limit) or perform an Offline Simulation without the PLC.
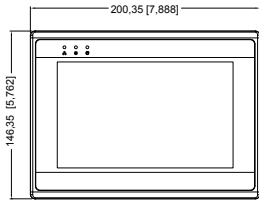
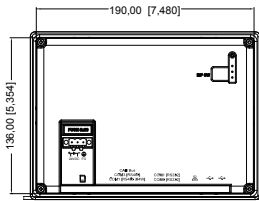● Offline Simulator

● Online Simulator

Ethernet / Com port

Desktop

PLC Device

	Model	eMT3070B	eMT3105P	eMT3120A	eMT3150A
Display	Display	7" TFT	10.4" TFT	12.1" TFT	15" TFT
	Resolution	800x480	800x600	1024x768	1024x768
	Brightness (cd/m²)	500	400	500	400
	Contrast Ratio	500:1	400:1	700:1	700:1
	Backlight Type	LED	LED	LED	LED
	Backlight Life Time	>30,000 hrs.	>30,000 hrs.	>50,000 hrs.	>50,000 hrs.
	Colors	16.7M	262K	16.2M	16.2M
	LCD Viewing Angle (T/B/L/R)	60 / 50 / 65 / 65	60 / 70 / 70 / 70	80 / 80 / 80 / 80	70 / 70 / 80 / 80
Touch Panel	Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type	4-wire Resistive Type
	Accuracy	Active Area	Active Area	Active Area	Active Area
		Length(X)±2%, Width(Y)±2%	Length(X)±2%, Width(Y)±2%	Length(X)±2%, Width(Y)±2%	Length(X)±2%, Width(Y)±2%
Memory	Flash	256 MB	256 MB	256 MB	256 MB
	RAM	256 MB	256 MB	256 MB	256 MB
Processor		32Bit RISC Cortex-A8 1GHz	32Bit RISC CPU 800MHz	32Bit RISC CPU 800MHz	32Bit RISC CPU 800MHz
I/O Port	SD Card Slot	SD/SDHC	SD/SDHC	SD/SDHC	SD/SDHC
	USB Host	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)	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1
	Ethernet	10/100 Base-T x 1	10/100 Base-T x 1	10/100 Base-T x 1	10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W	COM1: RS-232/RS-485 2W/4W	COM1: RS-232/RS-485 2W/4W	COM1: RS-232/RS-485 2W/4W
		COM3: RS-232/RS-485 2W*	COM3: RS-232/RS-485 2W*	COM3: RS-232/RS-485 2W*	COM3: RS-232/RS-485 2W*
	RS-485 Dual Isolation	Yes	Yes	Yes	Yes
	CAN Bus	Yes	Yes	Yes	Yes
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	400mA@24VDC	800mA@24VDC	850mA@24VDV	900mA@24VDV
	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	10 to 25Hz	10 to 25Hz	10 to 25Hz
		(X, Y, Z direction 2G 30 minutes)	(X, Y, Z direction 2G 30 minutes)	(X, Y, Z direction 2G 30 minutes)	(X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes	Yes	Yes	Yes
	Enclosure	Aluminum	Plastic	Aluminum	Aluminum
	Dimensions WxHxD	200.3 x 146.3 x 42.5 mm	286.2 x 212.8 x 50 mm	317 x 244 x 46 mm	366 x 293 x 57 mm
	Panel Cutout	192 x 138 mm	259 x 201 mm	305 x 231 mm	352 x 279 mm
	Weight	Approx 0.9kg	Approx 1.6kg	Approx 2.1kg	Approx 2.75kg
	Mount	Panel mount	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	UL Type 4X (indoor use only) /	UL Type 4X (indoor use only) /	NEMA 4 / IP66 Compliant Front Panel	UL Type 4X (indoor use only) /
		NEMA4 / IP66 Compliant Front Panel	NEMA4 / IP65 Compliant Front Panel		NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20°~70°C (-4°~158°F)	-20°~60°C (-4°~140°F)	-20°~70°C (-4°~158°F)	-20°~70°C (-4°~158°F)
	Operating Temperature	-20°~50°C (-4°~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	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.

Product Specification

eMT3070B

200,35 [7,888]

146,35 [5,762]

Front View

190,00 [7,480]

136,00 [5,354]

Rear View

42,55 [1,675]

Bottom View

192,00 [7,559]

138,00 [5,433]

192mm [7.559"] W x 138mm [5.433"] H

Panel Cutout

eMT3105P

286.2mm [11.27"]

212.8mm [8.38"]

Front View

257mm [10.12"]

199mm [7,83"]

Rear View

50mm [1.97"]

Bottom View

259mm [10.20"]

201mm [7.91"]

R2mm [R0.08"]

259mm [10.20"] W x 201mm [7.91"] H

Panel Cutout

eMT3120A

317mm [12.49"]

244mm [9.61"]

Front View

303mm [11.93"]

229mm [9.01"]

Rear View

Panel-mounting clamp slots, 12 places

46mm [1.82"]

Bottom View

305mm [12.01"]

231mm [9.09"]

305mm [12.01"] W x 231mm [9.09"] H

Panel Cutout

eMT3150A

366mm [14,41"]

293mm [11,54"]

Front View

350mm [13,78"]

277mm [10,91"]

75mm [2,95"]

75mm [2,95"]

Rear View

Panel-mounting clamp slots, 10 places

57mm [2,24"]

Bottom View

352mm [13,86"]

279mm [10,98"]

352mm [13.86"] W x 279mm [10.98"] H
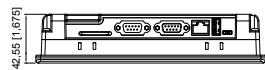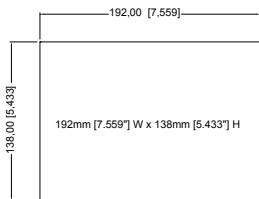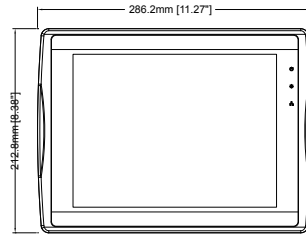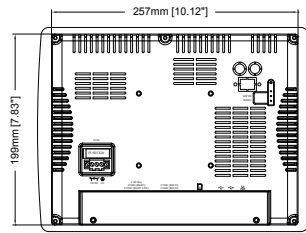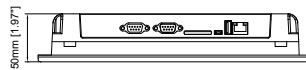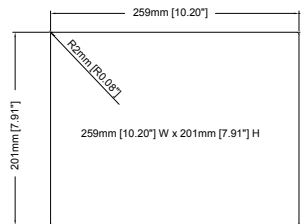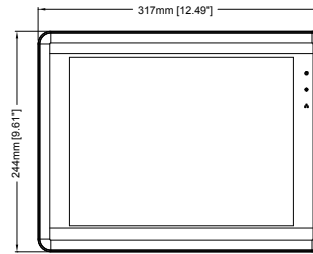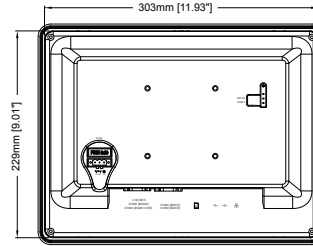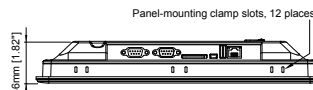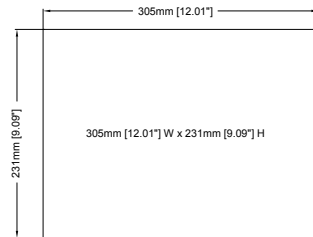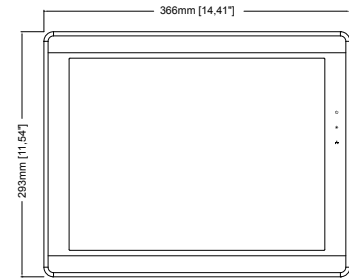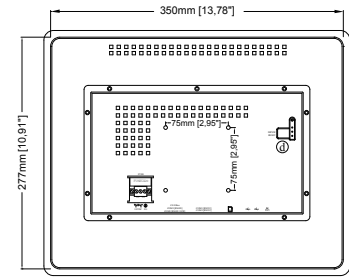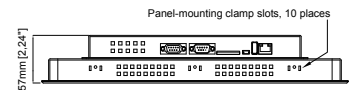
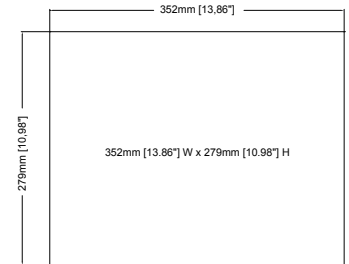**Panel Cutout**

Weintek places a high value on Product Quality Assurance.

Weintek is very proficient in Software/ Hardware Research and Development, and also possesses strong product manufacturing abilities and quality control. For quality control, Weintek strictly enforces ISO9000 standards. From bringing raw materials into the factory to manufacturing and production, a variety of testing equipment and software are applied, such as: vibration testing, low/high temperature testing, touch testing, performance testing, and communication testing…This guarantees that all products from Weintek to your hand are subjected to strict quality checking systems.

In addition to the rigorous standard testing process, Weintek professional testing engineers provide dedicated testing processes for the special features of different types of HMI. By accumulating professional testing experience, when evaluating a specific product, problems can be identified and solved faster and more accurately.

Our HMI products pursue the highest standards for research and development, design, and production. While designing the products, the standards and testing processes of materials, parts, tools, and equipment are all carefully managed to comply with international safety standards and environmental protection: CE/UL/RoHS

International Authentication

All Member Quality Management
- High Quality Leadership
- High Quality Personnel
- High Quality Culture

Product and Service Quality
- High Quality Products
- High Quality Service
- High Quality Job

System and Quality
- High Quality System
- High Quality Procedure

In addition to the above, Weintek provides great customer service by establishing 2 major systems: Customer Relationship Management (CRM) system and Service Request for feedback. Weintek not only meets quality standards completely, it goes beyond the customers' expectation of product reliability.

Taiwan · Weintek

Since the foundation of the company in October of 1995, Weintek Labs., Inc. has been committing itself to being a leading-edge designer and manufacturer of graphic operator interfaces, also known as HMI (Human Machine Interfaces), in Taiwan. We took our rich experience as HMI specialists and set the HMI product standard with state-of-the-art technology, efficient manufacturing, conscientious and careful testing, and global specialized support.

The company's missions are to provide its customers with quality products and superior service as well as to share the fruits of its good teamwork with all of its employees, by which we are able to achieve the goals of establishing a reputation as a leading brand in the industry and ensuring sustainability of the operation and development of enterprise.