# MT6000/8000iE series

Installation Instruction

## 1 Installation and Startup Guide

This document covers the installation of MT6000/8000iE Series HMI, for the detailed specifications and operation, please refer to Brochure and EasyBuilder Pro User Manual.

#### Install Environment:

NEMA Rating	The MT6000/8000iE Series HMI is NEMA 4 rated (Indoor Use Only).						
Electrical Environment	The MT6000/8000iE Series has been tested to conform to European CE requirements. This means that the circuitry is designed to resist the effects of electrical noise. This does not guarantee noise immunity in severe cases. Prop						
	wire routing and grounding will insure proper operation.						
	<ol> <li>Make sure that the displays are installed correctly and that the operating limits are followed. Avoid installing units in environments where severe mechanical vibration or shocks are present.</li> <li>Do not operate the unit in areas subject to explosion hazards due to</li> </ol>						
Environmental Considerations	<ul><li>flammable gases, vapors or dusts.</li><li>(3) Do not install the unit where acid gas, such as SO2 exists.</li></ul>						
	<ul> <li>(3) Do not install the unit where acid gas, such as SO2 exists.</li> <li>(4) This device should be mounted in the vertical position and for use on the flat surface enclosure.</li> </ul>						
	<ul> <li>(5) Conform to UL508 (ISBN 0-7629-0404-6) machine safety for use in Pollution Degree 2 Environment.</li> </ul>						

# 2 Unpacking the Unit

#### NOTE:

Unpack and check the delivery. If damage is found, notify the supplier.



1) Installation Instruction, 2-sided A4 *1			
(2) Human Machine Interface *1			
(3) Power Connector *1			
(4) Brackets & Screws *1 pack			
(5) USB Stick Clamp & Tying Strap *1			
(6) Fuse 1.25A/250V 5*20mm *1			

Place the operator panel on a stable surface during installation. Dropping it or

letting it fall may cause damage.

## **3** Installation Instructions

Secure the operator panel in position, using all the fastening holes and the provided brackets and screws. Screw Torque: 2.6 ~ 3.9 lbf.in. (For reaching waterproof effect and preventing the panel from being deformed.)





#### USB Stick Clamp Usage

Combining the USB Stick with the clamp and the tying strap can prevent USB stick from disconnecting with HMI when strong vibration is present.

1. Insert the USB connector to the clamp and tie them together with the tying strap.

2. Press the spring and insert the USB stick into HMI.



## Power Connections



#### NOTE:

1. Connect positive DC line to the '+' terminal and the DC ground to the '-' terminal.

2. Please do not connect HMI with PLC and PC simultaneously to prevent potential difference from destroying USB ports of HMI and PC.

# 5 System Settings

When HMI is powered up and displays image. click the system setting (Default System Passw It is necessary to conne your network through a (N/A for MT6070iE)



up and dis	splays im	age,	to a	iuto g	et Di	HCP IP, (	or designate your		
g button.	on.		owr	n IP. System settings			<u>}</u>	≤	
word: 1111	11)				Netwo	ork\Time/Date <sup>\</sup>	Security istory me setting bg		
ect the HN	/II to								
a RJ-45 cable.						Obtain an IP Ac IP address get	ddress Automatically		
						address:	192 . 168 . 1 . 45		
							255 . 255 . 255 . 0 192 . 168 . 1 . 254		
1							192 , 168 , 1 , 254		
						[	Cancel Apply OK 🖉		
<b>D</b>		0.41		Download				-	
Pro So	ftware	Settin	gs						
ro software	e. select v	vour							
hortcut key		,							
OX:	to opon			@ Ethernet			Password : Setting		
ab > Enter		ID		4 17		92.168.1.40 •			
download t	·				IP: 1	92.168.1.40 •			
uowinioau i	nis projec	JL							
				Prmware		Fort fles			
se select USB cable.					* Necessary if update firmware or execute download first time.				
Builder Pro User Manual									
n details )				Reset reci	pe	Reset event	log 📝 Reset data sampling		
					I after downle	oad ent settings to download af	fix comina		
tion Co	nnecti	ons			oad		Ext		
and COM3	[RS485]	2W suppo	ort MPI	187.5	K, pl	ease use	e one at one time		
[RS485] / (	COM3 [R	S485] with	isolatic	on pro	tectio	on. (N/A	for MT6070iE)		
				_					
S232, 9 Pi	n, Male,	D-sub	5432	$_1$ )CC	DM1/	3 RS48	5, 9 Pin, Female,	, D-sub	
			9876						
	1				N/1 [	RS485]	COM2		
S232]			PIN#				COM3		
-				2W		4W	[RS485]		
			1	Data	à-	Rx-			
)			2	Data	<b>i</b> +	Rx+			
)			3			Tx-			
·			4			Tx+			
			-	~					
)			5	Gl	ND(C	COM1)			
			6						
\$			7				Data-		
			8				Data+		
<b>)</b>			-						
			9				GND(COM3)		
ngs	SW1	SW2	SW3	SW	14	Mode			
					_				
	ON	OFF	OFF	OF	F	Touch	Screen Calibratio	on Mode	
	OFF	ON	OFF	OF	F	Hide H	IMI System Settir	ng Bar	
	OFF	OFF	ON	OF			oader Mode		
	OFF	OFF	OFF	ON			pported		
							••		
	OFF	OFF	OFF	OF		Norma			
	NOTE:	Another n	nethod t	o ente	er tou	JCh scre	en calibration mo	ae: Pre	

Go to the Network tab, you may choose

to auto get DHCP IP, or designate your

NOTE: Another method to enter touch screen calibration mode: Press and hold anywhere on the screen for more than 2 seconds when HMI starts.

CAUTION

NOTE: Make sure that all local and national electrical standards are met when installing the unit. Contact your local authorities to determine which codes apply.





To conform with ICS Safety Recommendations, checks should be placed in the controller to ensure that all writable registers that control critical parts of plant or machinery have limit checks built into the program, with an out-of-limit safe shut down procedure to ensure safety of personnel. GME608IE0\_MT6070\_8070\_8100iE\_Installation\_160901

#### Limited Warranty

- This product is limited warranted against defects in design and manufacture.
- The proven defective product will either be repaired or replaced, at Weintek's discretion. This warranty shall not cover any product which is
- (a) Out of warranty period which is 12 months from the manufacturing month of the HMI products.
- (b) Damage caused by Force Majeure, accident, negligence, improper installation or misuse.
- (c) Product has been repaired or taken apart by unauthorized technicians.
- (d) Products whose identification markings have been removed or damaged.

## EasyBuilder Launch EasvBuilder Pr

project file, press F7 sl the download dialog bo

Select Ethernet > IP ta > Click Download to d file to HMI.

If use MT6070iE, pleas ( Please refer to EasvB for software operation

## Communicat

NOTE: 1. COM1 a 2. COM1

COM1 R 12345 6789

PIN#	COM1 [RS232]
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

8 DIP SW Setti