cMT-FHDX series

HƏMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

① Installation and Startup Guide

This document covers the installation of cMT-FHDX Series HMI, for the detailed specifications and operation, please refer to Datasheet, Brochure and EasyBuilder Pro User Manual. Please read all warnings, precautions, and instructions on the device carefully before use.

Install Environment:

Electrical Environment	The HMI product 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. Proper wire routing and grounding will insure proper operation.
Environmental Considerations	(1) Make sure that the units are installed correctly and that the operating limits are followed. Avoid installing units in environments where severe mechanical vibration or shocks are present. (2) Do not operate the unit in areas subject to explosion hazards due to flammable gases, vapors or dusts. (3) Do not install the unit where acid gas, such as SO2 exists. (4) This device should be mounted in the vertical position and for use on the flat surface enclosure. (5) For use in Pollution Degree 2 Environment and dry location. (6) Relative Humidity: 10% ~ 90% (non-condensing)
Operating Altitude (Atmospheric Pressure)	Below 3,000 m (9842.52 ft.), atmospheric pressure is 70.1 kPa.
IP rating	IP 20
Cleaning Considerations	Clean the device using dry cloths. Do not use liquid or spray detergents for cleaning.
⚠ Warning	Protection impairment if used in a manner not specified by the manufacturer. Déficit de protection si utilisé d'une manière non spécifiée par le fabricant.

② Unpacking the Unit

Unpack and check the delivery. If damage is found, notify the supplier.
NOTE: Place the unit on a stable surface during installation. Dropping it or letting it fall may cause damage.
The package includes:
(1) Installation Instruction, A4 double sided *1
(2) cMT-FHDX*1
(3) Power Connector *1

③ Installation Instructions

Rail mounting: DIN rail 35mm
Panel mounting: Use two M4 or #8 panhead screws, mounting hole size is 4.6mm
Plan for adequate space around the unit and inside the enclosure, for ventilation and cables. Consider the heat from other devices inside the enclosure. The ambient temperature around the unit must be 0 ~ 50°C.The aluminum flat-sheet at the back of the unit is a heat sink. Please be careful not to touch the heat sink since its heat can rise to 70°C in maximum when the unit is running. Planning for a 3cm space between the unit and other devices is recommended.

④ Power Connections

⚠ Power Connector Specifications:
Wire AWG: 24~12
Wiring Conductor Minimum Tempe
Screw Torque: 4.5 lbf-in (max.)
Copper conduct only.

Spécifications du connecteur d'alim
AWG de fil: 24 ~ 12
Température minimale du conducte
Couple de vis: 4.5 lbf-in (max.)
Conducteur en cuivre seulement

NOTE: Connect positive DC lin

⑤ System Settings

Connect cMT-FHDX with TV via HDMI

When cMT-FHDX is powered up and
TV displays image, click the system se
button. (Default System Password: 11
RJ-45 cable is necessary for connecti
cMT-FHDX to your network.
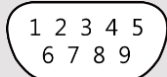
cMTSeries

6 EasyBuilder Pro Software Settings

Launch EasyBuilder Pro software, select your project file, press F7 shortcut key to open the download dialog box: Select Ethernet > IP tab > Enter your cMT-FHDX IP > Click Download to download this project file to cMT-FHDX.
(Please refer to EasyBuilder Pro User Manual for software operation details.)
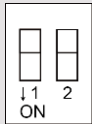
7 Communication Connection

NOTE: COM2 and COM3 [RS485] support MPI 187.5K, please use one at a time.

9 Pin, Male, D-sub
COM1 [RS232]
COM2 [RS485]
COM3 [RS485]

1 2 3 4 5
6 7 8 9

PIN#	COM1 [RS-232]	COM2 [RS-485]		COM3 [RS-485] 2W
		2W	4W	
1				Data+
2	RxD			
3	TxD			
4				Data-
5	GND			
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	

8 DIP SW Settings

↓1 2
ON

SW1	SW2	Mode
OFF	OFF	Normal Mode
ON	OFF	Hide Start Button
OFF	ON	Update OS
ON	ON	Restore Factory Default

9 Battery Replacement

Battery Specification: UL Certification Battery, Type CR1220, Rated 3V, Max. Abnormal Charging Current 10mA, Working Temperature: max. 70°C

Battery replacement shall be performed by qualified personnel (engineer) only and care must be taken when handling lithium batteries. For more information on battery replacement and disposal considerations, please refer to the following link:

http://www.weintek.com/download/MT8000/eng/FAQ/FAQ_103_Replace_Battery_en.pdf

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CAUTION

NOTE: Make s
installing the un

⚠ **Power**
Use power output th
powered by DC po
systems. The power
supply. The peak sta

⚠ **Fusing Require-ments**
If the Power LED do
fuse will protect agai
period of time. Chec

⚠ **High Voltage**
A resettable fuse wi
DC voltage sources

⚠ **Emergency Stop**
A Hard-wired EMERG
ICS Safety Recomm

⚠ **Supply Voltage Condition**
Do not power the un
power supply. Note:
power the unit.

⚠ **Wire Routing**
a. Power wire lengt
b. Please use twist
impedance matc
c. If wiring is to be
devices.
d. Keep AC, high e
e. Add a resistor ar
supply and the fr
dissipation. Typi

DANGER

⚠ **Hardware Considerations**
The system designe
thereby create an
interface can lead
physical injury to the
If you use any prog
potential safety haza
steps depend on yo
installation of solid-s
installation of Contro

⚠ **Programming Considerations**
To conform with ICS
ensure that all writa
checks built into the
personnel.

Limited Warranty

This product is limited warranted ag
defective product will either be repa
shall not cover any product which is
(a) Out of warranty period which is 12 month
(b) Damage caused by Force Majeure, accid
(c) Product has been repaired or taken apar
(d) Products whose identification markings h