

注意

产品开机前, 请务必详读使用手册。

实际产品的颜色可能会与产品名录上的颜色略微差异。

本产品名录的内容可能会事先没有通知而更改。

M2I Corporation
Man · Machine · Interface

TOP RN SERIES



TOP RN SERIES

Product Catalog

M2I Corporation

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TOPRN SERIES
开放式框架 HMI

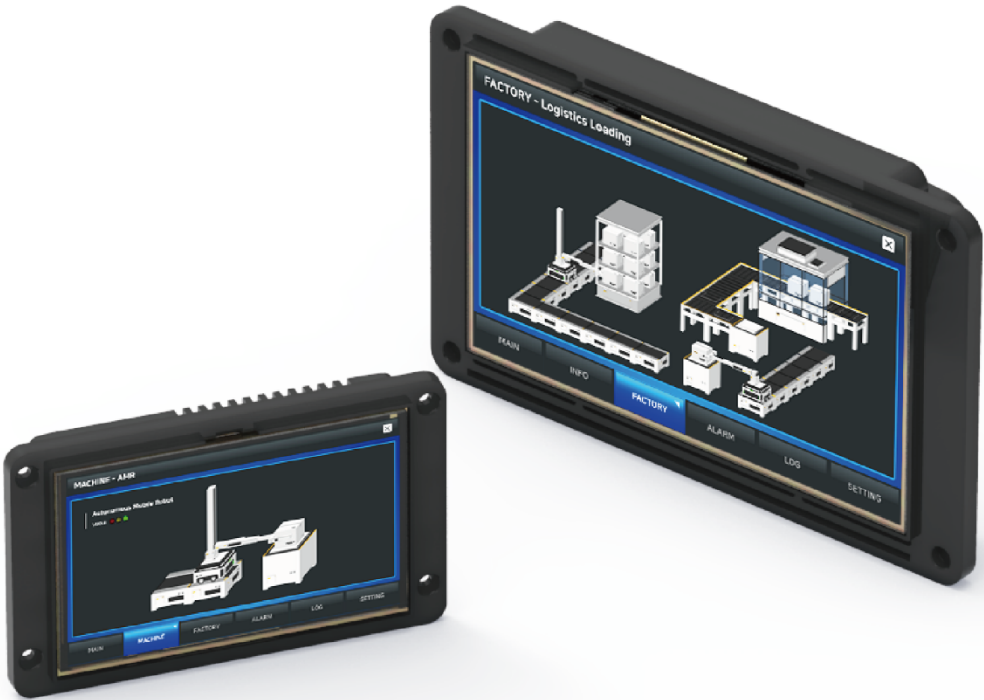
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TOPRN SERIES

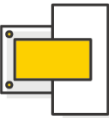
开放式框架 HMI

INTERFACE

- SERIAL 3(2) CHANNEL
- ETHERNET 2(1) CHANNEL
- USB HOST
- USB DEVICE



特点



灵活的开放式框架设计, 便于外部定制集成

支持无外露边框的整洁嵌入式安装
提供标准安装或平面安装方式选择
预钻安装孔, 安装快捷简便
支持横屏与竖屏方向安装



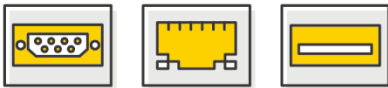
紧凑灵活的尺寸设计

超薄设计, 适用于空间受限的环境
可根据各行业设备需求定制尺寸



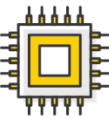
平面操作界面, 提升使用便捷性

防止灰尘和异物堆积, 便于清洁维护
前贴膜设计, 具备防水防尘性能
即使在潮湿环境中也可实现稳定操作



优化的接口配置

满足复杂工业环境下的丰富连接性与扩展性
4 inch Model: 3个串口, 1个以太网,
1个USB Host, 1个USB Device
7 inch Model: 3个串口, 2个以太网,
1个USB Host, 1个USB Device



高性能硬件规格

配备高速四核处理器
支持1600万全彩显示和矢量图像库
配备触控拖动、备忘录等直观用户界面功能



广泛支持工业通信协议

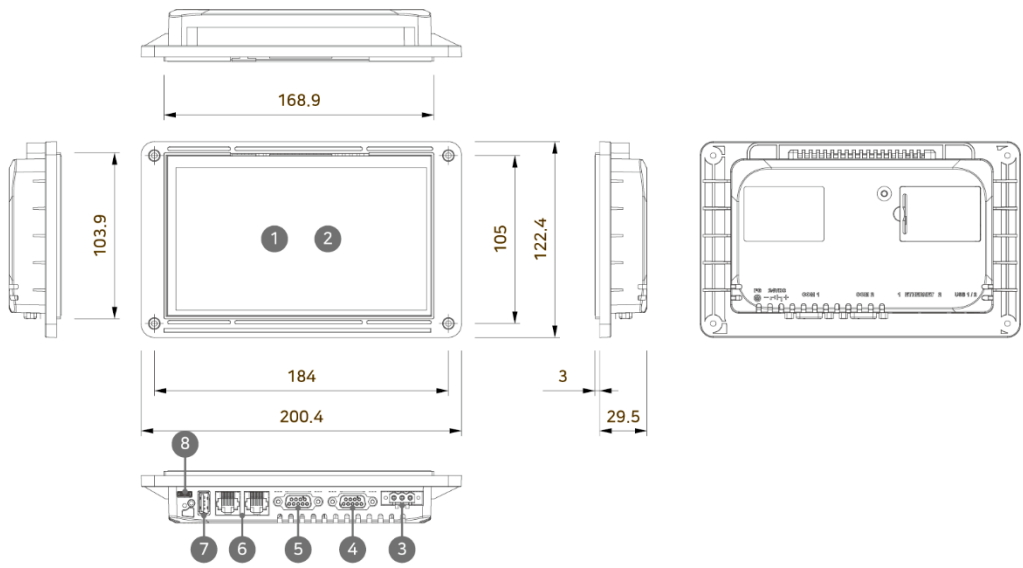
可与300多种控制器广泛兼容
支持主流工业网络协议, 包括Modbus和EtherNet/IP

TOPRN SPECIFICATIONS

Functional		TOPRN0700WD	TOPRN0400WD
Display	Display Type	7" TFT Color	4.3" TFT Color
	Color	16M Colors	
	Display Area(mm)	154.08 x 85.92	95.04 x 53.86
	Resolution(dot)	800 x 480	480 x 272
	Brightness Level	10 Levels(by software)	
	Backlight Type	LED	
	Backlight Life	50,000 hours	
Touch	Touch Type	Analog resistive film	
	Resolution(Cell)	800 x 480	480 x 272
	Touch Life	1 million times or more	
Interface	Serial COM1	RS-232C Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: DSUB 9pin x 1	RS-232C Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: 12pin Connector
	Serial COM2	RS-232C, RS-422/485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: DSUB 9pin x 1	RS-232C, RS-422/485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: 12pin Connector
	Serial COM3	RS-485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: DSUB 9pin x 1	RS-485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: 12pin Connector
	Ethernet	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX Connector: RJ-45 x 2	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX Connector: RJ-45 x 1
	USB Host	USB 2.0 Compatible, Output 5Vdc/0.5A Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Type A x 1	
	USB Device	USB 2.0 Compatible, Max 5m Connector: USB-C x 1	
	Printer	Roll printer(EPSON protocol)	
	Screen memory	128MB	
	Backup memory	512KB: System buffer(10K Word), Including Alarm/Logging/Recipe	
	Backup Period	Permanent	
Memory & Others	Real Time Clock	Built in	
	Status LED	1 LED(Operation) Built in	
	Input Voltage	24Vdc(20 ~ 28Vdc)	
Power	Power Consumption	15W	
	Voltage Sag	24Vdc, Within 10ms	
	Insulation Resistance	500Vdc, 10MΩ	
Environment	Operation Temperature(℃)	-10 ~ +50	
	Storage Temperature(℃)	-20 ~ +60	
	Operation Humidity(%RH)	0 ~ 90(No dew)	
	Atmosphere	No corrosive gas	
	Vibration Endurance	Amplitude: 10≤F < 25Hz(2G) X, Y, Z each direction(for 30 minutes)	
	Noise Immunity	1000Vp-p(Pulse width 1μs)	
	Electrostatic Discharge	Connective discharge from EN61000-4-2: ±4kV	
	Shock Endurance	10G X, Y, Z each direction(for 3 times)	
	Ground Connection	Class 3(100Ω or less)	
	Certification	KC, CE	
Structure	Panel Cut(mm)	155 x 87	97.5 x 56
	External Dimension(mm)	200.4 x 122.4 x 32.5	131 x 81 x 19.8
	Weight(kg)	0.5	0.3
	Cooling System	Natural air circulation	
	Case Material	Plastic	

TOPRN0700WD DRAWING

Dimensions and Components



- 1

LCD Panel
- 2

Touch Panel
- 3

Power Input
- 4

Serial COM1/3
- 5

Serial COM2
- 6

Ethernet 2ch
- 7

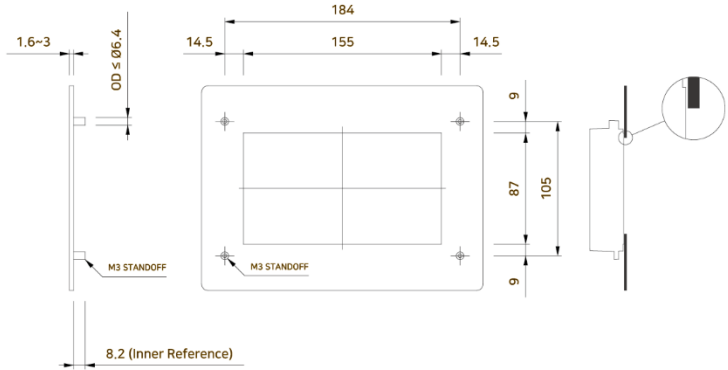
USB Host
- 8

USB Device

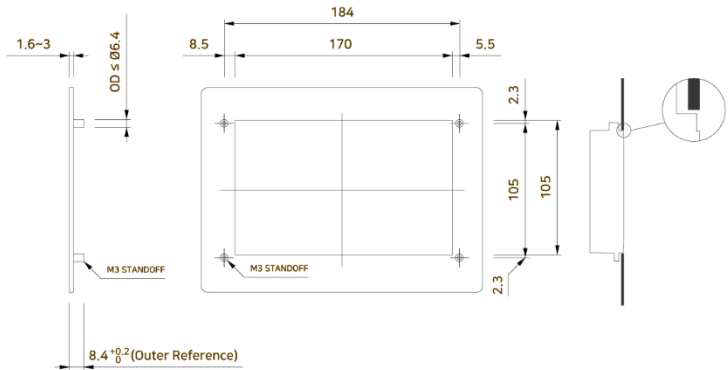
Panel Fabrication

* 面板背面尺寸

[Standard Mount]



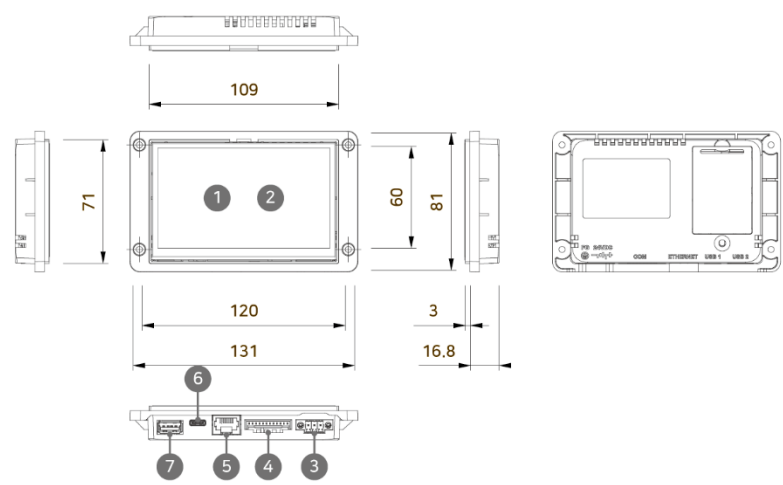
[Flat Mount]



* 详细信息请参阅硬件手册

TOPRN0400WD DRAWING

Dimensions and Components



- 1

LCD Panel
- 2

Touch Panel
- 3

Power Input
- 4

Serial COM1/2/3
- 5

Ethernet
- 6

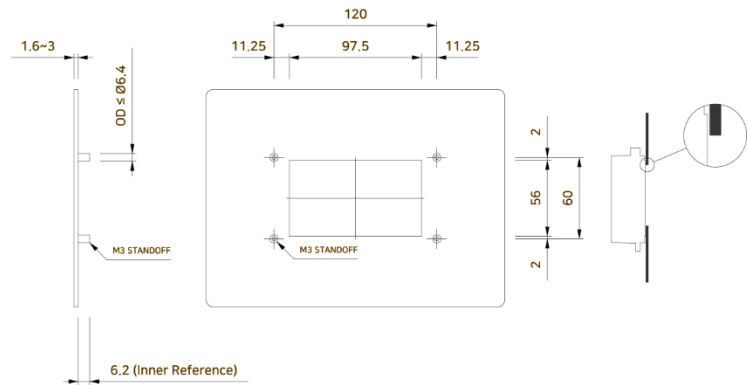
USB Device
- 7

USB Host

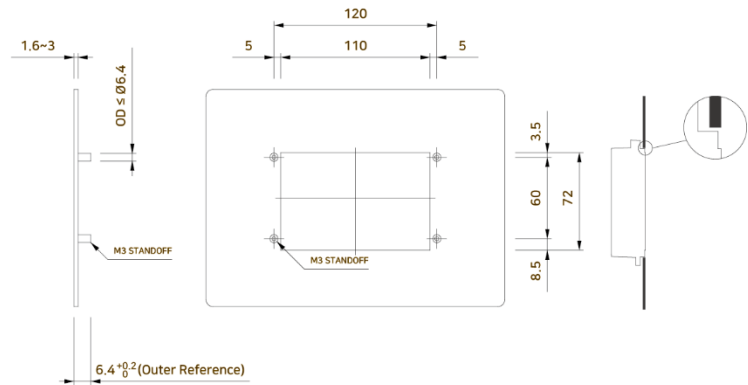
Panel Fabrication

* 面板背面尺寸

[Standard Mount]



[Flat Mount]



* 详细信息请参阅硬件手册

对客户的承诺

- 承诺一 与客户沟通 | 从客户的角度, 跟客户一起
- 承诺二 持续发展 | 不断地研究与开发, 提高信赖性与生产性
- 承诺三 新的变化 | 向智能工厂领域的全球领导企业转变

为了满足客户的需求, 我们时常与客户沟通。
不断地研究开发来提高产品的质量。
我们不怕变化。

智能时代, 聪明的竞争力, 您的TOP