

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。

M2 Corporation
Man · Machine · Interface

TOP RT SERIES



TOP RT SERIES

Product Catalog

M2I Corporation

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TOPRT

TOPRT1240XD-Ex 高档型防爆RT系列

接口

前面 ■ 摄像头 ■ USB OTG ■ 传感器

后面 ■ 串行端口3个 ■ 以太网端口2个 ■ USB 3.0端口2个 ■ SD卡 ■ 现场总线



TOPRT1240XD-Ex的特点



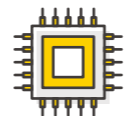
T6温度等级防爆认证

取得ATEX、IECEx、Hazloc防爆认证



内置前面摄像头

内置能调节角度的摄像头



更强大的CPU

支持比TOPRT1210SD-Ex产品快两倍的速度



铝材质主机

坚固的铝材质外框, 高档的设计



IR传感器

可以通过红外线通信跟取得防爆认证的M2I无线条形码扫描枪(MSR-B2MWA-Ex)连接



近距离传感器 / 照度传感器

感应操作人员的距离转换为屏幕保护模式或运行模式的近距离传感器
感知周围环境自动调节画面亮度的照度传感器



提供两个以太网通道 / 3个串行端口

支持不同IP的异构网络接口



3.0 USB HOST / 前面 USB OTG

提供2个3.0 USB HOST端
提供前面USB OTG端口



便利的维护

由显示单元和控制单元构成
很实用、很方便的维护



16M全彩

更明亮更清晰的全彩, 提供矢量图片库

TOPRT1240XD-Ex规格

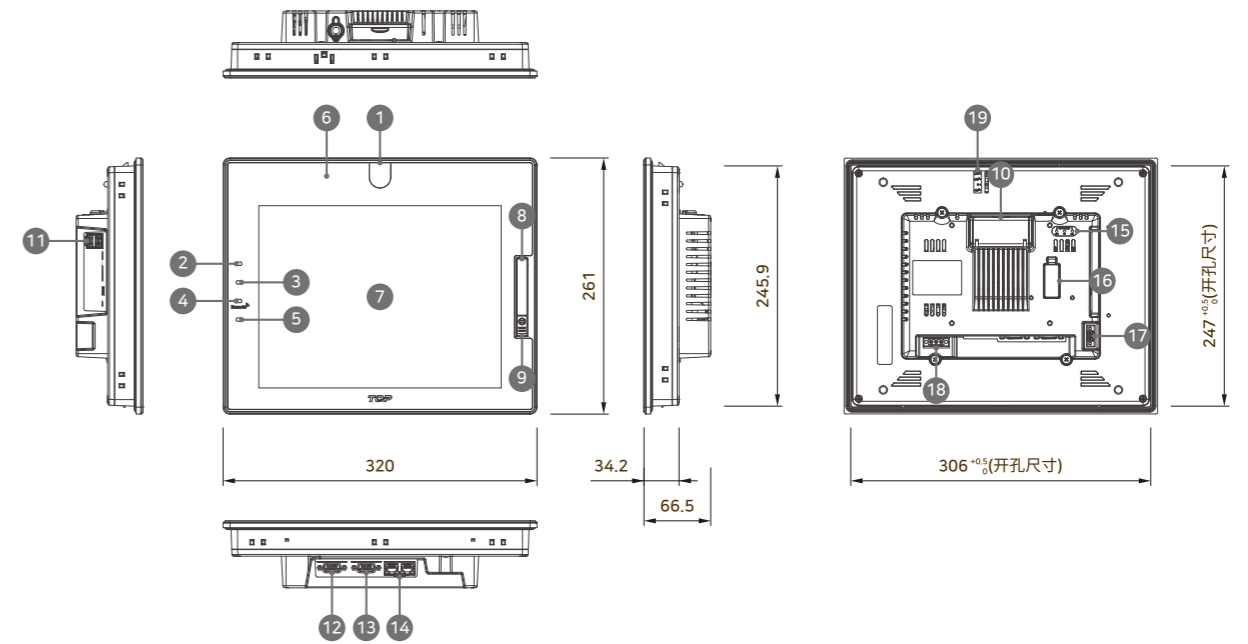
Functional		TOPRT1240XD-Ex(Display Unit)
Display	Display Type	12.1" TFT Color
	Color	16M Colors
	Display Area(mm)	246 x 184.5
	Resolution(dot)	1024 x 768
	Brightness Level	10 Levels(by Software)
Touch	Backlight Type	LED
	Backlight Life	50,000 hours
	Touch Type	Analog Resistive Film
Interface	Resolution(Cell)	1024 x 768
	Front Camera	USB UVC Max. Resolution: 640 x 480, 4 Adjustable Angles: Up20°, 10°, 0°, Down10°
	Proximity Sensor	YES
	Illumination Sensor	YES
	IrDA	Compliant to IrDA physical layer standard up to 115.2 kbit/s (SIR), Range up to 0.7M in open space *Dedicated use of M21 HMI Equipment
USB Host	USB Host	USB 2.0 Compatible, Output 5Vdc/0.9A Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Type A x 1
	USB OTG	USB 2.0 Compatible, Output 5Vdc/0.5A, Max. 3m Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Micro-B(Front) x 1
Structure	Panel Cut(mm)	306 x 247
	External Dimension(mm)	320 x 261 x 34.2
	Weight(kg)	2.79

Functional		TOPRT1240XD-Ex(Process Unit)
Serial COM1	Serial COM1	RS-232C, RS-422/485 Asynchronous +5Vdc PWR Data Bit: 7/8 Bits, Stop Bit: 1/2 Bits, Parity Bit: None/Odd/Even Baud Rate: 2400 ~ 187.5kbps Connector: DSUB 9Pin x 1
	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 ~ 187.5kbps Connector: DSUB 9Pin x 1
	Serial COM3	RS-485 Asynchronous Data Bit: 7/8 Bits, Stop Bit: 1/2 Bits, Parity Bit: None/Odd/Even Baud Rate: 2400 ~ 187.5kbps Connector: 3.5mm 3Pin x 1
Ethernet	Ethernet	IEEE802.3i/IEEE802.3u/IEEE802.3ab, 10BASE-T/100BASE-TX/1000BASE-T Connector: RJ-45 x 2
	USB Host	USB 3.0 Compatible, Output 5Vdc/0.9A Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Type A x 2
Memory & Others	SD Card	SD Card Slot x 1, SDHC(Max. 32GB)
	Option Modules	CAM32
	Printer	Roll Printer(EPSON protocol): RS-232C
	Screen Memory	128MB
	Backup Memory	512KB: System Buffer(10K Word), Including Alarm/Logging/Recipe
	Backup Period	Permanent
	Real Time Clock	Built in
Structure	Status LED	3 LEDs(Power, Operation, Link) Built in
	External Dimension(mm)	201.6 x 147.6 x 37.3
	Weight(kg)	0.82

Functional		TOPRT1240XD-Ex(Display Unit + Process Unit)
Power	Input Voltage	24Vdc(20 ~ 28Vdc)
	Power Consumption	18W or Less
	Voltage Sag	24Vdc, Within 10ms
	Insulation Resistance	500Vdc, 10MΩ
	Operation Temperature(°C)	-10 ~ +50
Environment	Storage Temperature(°C)	-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)
	Static Electricity 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)
	Protection Classification	IP54(Font)
	Certification	CE, KC, UL/cUL, ATEX, IECEx, UL/cUL in Hazloc
Structure	Weight(kg)	3.6
	Cooling System	Natural Air Circulation
	Case Material	Aluminum

图纸

TOPRT1240XD-Ex



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|-----------|------------|---------------|-------------|
| ① 摄像头 | ⑥ LCD面板 | ⑪ USB HOST 2个 | ⑯ 扩展模块连接器 |
| ② 电源LED | ⑦ 触摸板 | ⑫ 串行COM1 | ⑰ 串行COM3 |
| ③ 近距离传感器 | ⑧ USB OTG | ⑬ 串行COM2 | ⑱ 电源输入 |
| ④ IrDA传感器 | ⑨ USB Host | ⑭ 以太网2个 | ⑲ 摄像头角度调节杠杆 |
| ⑤ 照度传感器 | ⑩ SD卡插槽 | ⑮ 状态LED | |