

TOPRP SERIES

Box Type HMI

INTERFACE

- SERIAL 2 PORTS
- ETHERNET 2 PORTS
- USB HOST 2 PORTS
- USB OTG
- SD CARD
- HDMI OUT



FEATURES



Compact Chassis Frame

Small Size Allows Easy Installation Even in Limited Spaces



Standard DIN Rail / VESA Mounting

Easily Installable Anywhere with Standard DIN Rail
Quickly Attachable to Monitors Using Standard VESA Bracket (* Optional)



HDMI Output

Conveniently Connect to Various Monitors via HDMI
Compatible with M2I Dedicated Touch Monitors (MDP)



Compatibility with TOP Products

Supports Fast Processing Speeds with Quad-Core CPU
Provides the Same Menus and Operation as TOP



Provides 2 Ethernet Channels

Supports Heterogeneous Networks with Different IPs
Supports VNC (Remote Monitoring / Control) Function



Provides 2 Serial Ports

COM1 / COM2 with DSUB 9-Pin
Supports RS-232C and RS-422/485 Communication



Provides 2 USB Host Ports

Ports for Connecting External Devices Such as Mouse, Keyboard, USB Memory, and Barcode Scanners



OTG USB Port

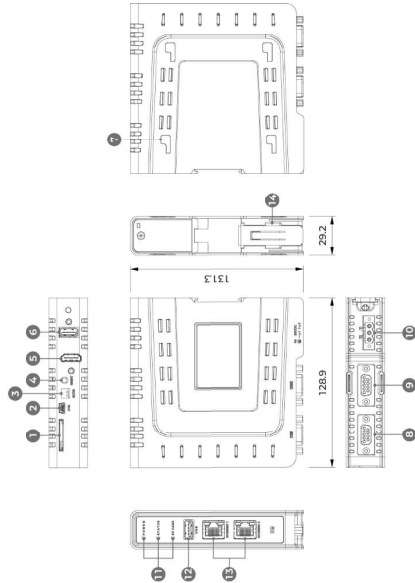
Supports Convenient Program Transfer in Transfer Mode and Allows Connection of USB Devices (Memory, Barcode Scanner, Camera, etc.) in HOST Mode

TOPRP SPECIFICATIONS

Functional		TOPRP1000D
Interface	Serial COM1	RS-232C, RS-422/485 Asynchronous +5Vdc PMR 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
	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
Ethernet	Ethernet	IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX Connector: RJ-45 x 2
	USB Host	USB 2.0 Compatible, Output 5Vdc/0.5A Support: USB Storage, USB Barcode Scanner (Standard Keyboard Protocol) Connector: USB Type-A x 2
USB OTG	USB OTG	USB 2.0 Compatible, Output 5Vdc/0.5A, Max. 3m Support: USB Storage, USB Barcode Scanner (Standard Keyboard Protocol) Connector: USB Mini-B x 1
	SD Card	SD Card Slot x 1, SDHC(MAX. 32GB)
HDMI Output	HDMI Output	HDMI v1.4, HDMI Output, Max. Resolution: 1280x720 at 60Hz Connector: HDMI x 1
	Printer	Roll Printer(Epson protocol)
Memory & Others	Screen Memory	128MB
	Backup Memory	512KB: System buffer(10K Word), Including Alarm/Logging/Recipe
Real Time Clock	Real Time Clock	Permanent
	Status LED	Built in
Input Voltage	Status LED	3 LEDs(Power, Operation, SD Card) Built in
	Input Voltage	24Vdc(20~28Vdc)
Power	Power Consumption	10W
	Voltage Sag	24Vdc, Within 10ms
Insulation Resistance	Insulation Resistance	500Vdc, 10MΩ
	Operation Temperature(°C)	-10 ~ +50
Storage Temperature(°C)	Storage Temperature(°C)	-20 ~ +60
	Operation Humidity(%RH)	0 ~ 90(No dew)
Atmosphere	Atmosphere	No corrosive gas
	Vibration Endurance	Amplitude: 10sF<25Hz(2G) X,Y,Z each direction(for 30 minutes)
Noise Immunity	Noise Immunity	1000Vp-p(Pulse width 1μs)
	Electrostatic Discharge	Connective discharge from EN61000-4-2: ±4kV
Shock Endurance	Shock Endurance	10G X,Y,Z each direction(for 3 times)
	Ground Connection	Class 3(1000 or less)
Protection Classification	Protection Classification	IP20
	Certification	KC, CE, UL, cUL
External Dimension(mm)	External Dimension(mm)	128.9x131.2x29.2
	Weight(kg)	0.23
Structure	Insulation Method	Standard DIN Rail(35mm), VESA
	Cooling System	Natural air circulation
Case Material	Case Material	Plastic

DRAWING

TOPRP1000D



- 1

SD Card Socket
- 2

USB OTG
- 3

Mode Switch
- 4

Reset Switch
- 5

HDMI
- 6

USB Host #1
- 7

Vesa Bracket
- 8

Serial COM1
- 9

Serial COM2
- 10

Power Input
- 11

Status LED
- 12

USB Host #2
- 13

Ethernet Port
- 14

DIN Rail

VESA Bracket* Option)

