

TOPRT WIDE SERIES

Anti-Explosive / Normal Premium Wide HMI

INTERFACE

- FRONT
- USB OTG
- USB HOST
- CAMERA
- PROXIMITY SENSOR
- IRDA SENSOR
- REAR
- SERIAL 3 PORTS
- ETHERNET 2 CHANNEL
- 3.0 USB-HOST 2 PORTS
- WIFI
- Bluetooth
- HDMI
- AUDIO
- SD CARD
- OPTION MODULES(CAM32)



TOPRT WIDE

FEATURES



Clear Wide Screen

16:9 Wide 1366 x 768 Resolution
Clear and Strong Capacitive Touch
IK07 Tempered Glass



More Powerful CPU

2 Times Faster than TOPRT1210SD-Ex



Front Camera Integrated

Angle-Adjustable Wide-Angle Camera



Enhanced Wireless Connection

WiFi 2.4G/5G
Bluetooth/IRDA Communication with
M2i's Barcode Scanner
* The option model [TOPRT□□50WD(-Ex) 011]
does not support wireless features
(Wi-Fi, Bluetooth, IRDA).



T6 Anti-Explosive Certificates

ATEX, IECEx, Hazloc On Progress

Solid Frame

Heavy Duty Front Aluminum Frame
Refined Design with Minimized Bezel



3.0 USB Port

Rear 2 Ports as USB 3.0 Host
Front 1 Port as USB 2.0 OTG/HOST



Serial / Ethernet Interface

Serial 3 Ports as COM1/COM2/COM3
Ethernet 2 Channels with Independent IP

TOPRT WIDE SPECIFICATIONS

Functional		TOPRT1950WD(-EX) 0□		TOPRT1550WD(-EX) 0□		
Display	Display Type	18.5" TFT Color	16M Colors	15.6" TFT Color		
	Color	4098 × 230.4	1366 × 768	344.2 × 193.5		
	Brightness Level		10 Levels(by software)			
	Backlight Type		LED			
Touch	Backlight Life		50,000 Hours			
	Touch Type		Capacitive			
Interface	Serial COM1	RS-232C, RS-422/485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 300 ~ 115.2Kbps Internal termination resistors(software set-up) 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 Internal termination resistors(software set-up) 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 ~ 115.2Kbps Internal termination resistors(software set-up) Connector: 3.5mm 3pin x 1				
	Ethernet	IEEE 802.3u, IEEE 802.3ab, IEEE 802.3at, 10BaseT/100BaseT Connector: RJ-45 x 2				
	USB Host	USB 3.0 compatible, Output 5Vdc/0.5A, USB 2.0 compatible, Output 5Vdc/0.5A Support: USB storage, USB barcode scanner(Standard keyboard protocol) Connector: USB Type A x 3(4pin USB 3.0 x 2, Front USB 2.0 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 mini-B(front) x 1				
	Wifi	2.4G, 2400MHz ~ 2.4835GHz 5G-5.150GHz ~ 5.725GHz IEEE 802.11a/b/g/n IEEE 802.11ac WLAN standard: IEEE 802.11a/b/g/n Security: WEP(64/128), WPA-PSK(TKIP, AES), WPA2-PSK(TKIP, AES)				
	Bluetooth	2402MHz ~ 2480MHz, Bluetooth® 5.0(BLE), Range up to 5M in open space Compliant to FCC part 15.247, FCC part 15.249, Range up to 0.7M in open space *Optional use of HSP/HFP				
	IO	SD Card	SD card slot x 1, SDHC(Max, 32GB), SDXC(Max, 1TB)			
	Memory & Others	Option Modules	CAM32			
Audio		3.5mm Audio jack output				
HDMI		HDMI v2.0, Max, 1366 x 768				
Front Camera		USBLVNC Max, resolution: 640 x 480				
Proximity Sensor		5 Adjustable angles: Up 20°, 0°, 0°, Down 10°, 20°				
Printer		YES				
Screen memory		Roll printer(EPS/SON protocol)				
Backup memory		128MB				
Backup Period		Permanent				
Real Time Clock		Built in				
Power	Status LED	3 LEDs(Power, Operation, Link) built in				
	Input Voltage	24Vdc(±20V)				
	Power Consumption	40W				
	Voltage Sag	24Vdc, Within 10ms				
Environment	Insulation Resistance	500Vdc, 10MΩ				
	Operation Temperature(°C)	-10 ~ +50				
	Storage Temperature(°C)	-20 ~ +60				
	Operation Humidity(5RH)	0 ~ 90% (No dew)				
	Atmosphere	No corrosive gas				
	Vibration Endurance	Amplitude: 10g ± 25Hz(2g X, Y, Z each direction)(for 30 minutes)				
	Noise Immunity	1000Vp-pulse width 1μs				
	Electrostatic Discharge	Connective discharge from ESD(1000-4-2: 14kV)				
	Shock Endurance	10G X, Y, Z acceleration (for 3 times)				
	Grounding	Class 1 (100Ω min Res)				
Structure	Protection Classification	IP54(front)				
	Certification(On Progress)	General Model, CE, KC, UL/cUL Explosion Proof Model, CE, KC, CCC, IECEx/ATEX, UL/cUL in Hazloc				
	Panel Cutliff	463 × 314				
	External Dimension(mm)	4774 × 3284 × 63.5				
Weighting	Weight(g)	5.30				
	Weight(kg)					
	Case Material	Natural air circulation				
Structure	Cooling System	Aluminum + Plastic				
	Case Material	Natural air circulation				

* The option model [TOPTR□□50WD(-Ex) 01] does not support wireless features (Wi-Fi, Bluetooth, IrDA).

DRAWING

TOPRT1950WD(-Ex) 00

313

328.4

314

463

32.8

63.5

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TOPRT1550WD(-Ex) 00

270.8

286.4

272

392

32.8

63.5

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Callout	Component
1	Power LED
2	IRDA Sensor
3	Proximity Sensor
4	Camera
5	LCD Panel
6	Touch Panel
7	USB OTG
8	USB Host
9	SD Card Slot
10	USB Host 2P
11	HDMI
12	AUDIO
13	Power Input
14	Serial COM1
15	Serial COM2
16	Ethernet 2ch
17	Serial COM3
18	Status LED
19	Expansion Module Connector
20	Camera Angle Adjustment Lever