XINJE

Specification parameters

Item		TS5D-1500-E2	TS5D-1500-4G	TS5D-1500-W
Product feature	Size	15.6"		
	Type	16.77 million colors		
	Resolution	1920*1080		
	Brightness	250 cd/㎡		
	Touch panel	Four-wire resistive touch panel		
	Service life	Over 30000 hours, ambient temperature of 25°C, 24-hour operation		
	Processor	Cortex-A7 1.2GHz		
	Storage	256MB		
	Adaptive software	TouchwinPro software		
Interface	COM1	RS232/RS485		
	COM2	RS232/RS485/RS422		
	Ethernet port	Standard RJ45, 10/100M*2		
	USB port1	USB-A (compliant with USB2.0 specifications), 2 USB flash drive ports		
	USB port2	Type-C, USB download port		
	Audio	∅3.5coaxial audio interface		
	4G	/	4G LTE-FDD (Mbps): 10 (downlink) / 5 (uplink)	/
	WiFi	/	/	IEEE 802.11 a/b/g/n IEEE 802.11 g:54Mbps
Electrical feature	Input voltage	DC24V (voltage range: DC22V-DC26V)		
	Power	10W		
	Allowable instant power failure	Below 10ms (actual power loss less than 1s)		
	Withstand voltage	AC1000V, 10mA, less than 1 minute (signal to ground)		
	Insulation impedance	DC500V, above 10MΩ (signal to ground)		
Environment	Operation temperature	0-50°C		
	Storage temperature	-10-60°C		
	Environmental humidity	10%RH-90%RH (without condensation)		
	Vibration resistance	10-25Hz (2G in X, Y, and Z directions for 30 minutes each)		
	Anti-interference	Voltage noise: 1500Vp-p, pulse width lus, 1 minute		
	Surrounding air	Non corrosive gas		
	Protection level	Front panel Ip65		
Structure	Cooling method	Natural air cooling		
	External dimension (mm)	396.0*259.0*39.0		
	Opening size (mm))	384.0*247.0 (±0.5)		

Product dimension diagram (Unit: mm)

TS5D-1500series

TS5D series IoT metal HMI

Fearless of harsh environment and remote information exchange

Automation trusted partners
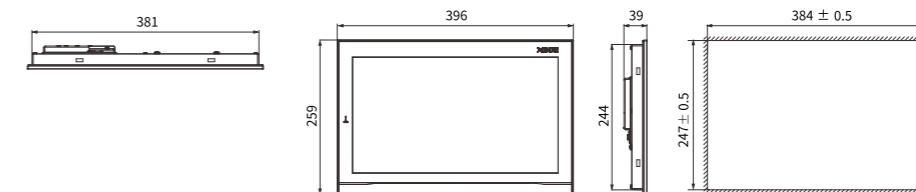
XINJE
WUXI XINJE ELECTRIC CO.,LTD.

TS5D series

IoT Metal HMI

The TS5D series IoT HMI cleverly integrates the HMI with gateway products, through built-in 4G or WiFi communication modules, it not only has traditional HMI functions but also enables 4G or WiFi networking functions. The metal structure of the entire machine greatly enhances its heat dissipation and anti-interference capabilities, making it suitable for use in harsh on-site environments.

Higher performance, suitable for harsh scenarios

Appearance

✦ Ultra thin body
The thickness is only 39mm, saving installation space

39mm
Slim

🔲 Metal cover
Metal structure enhances overall anti-interference and heat dissipation

Performance

⚙ Higher performance
ARM Cortex-A7 processor, main frequency 1.2GHz

arm
Cortex-A7

📇 Larger capacity
256MB memory, large capacity storage
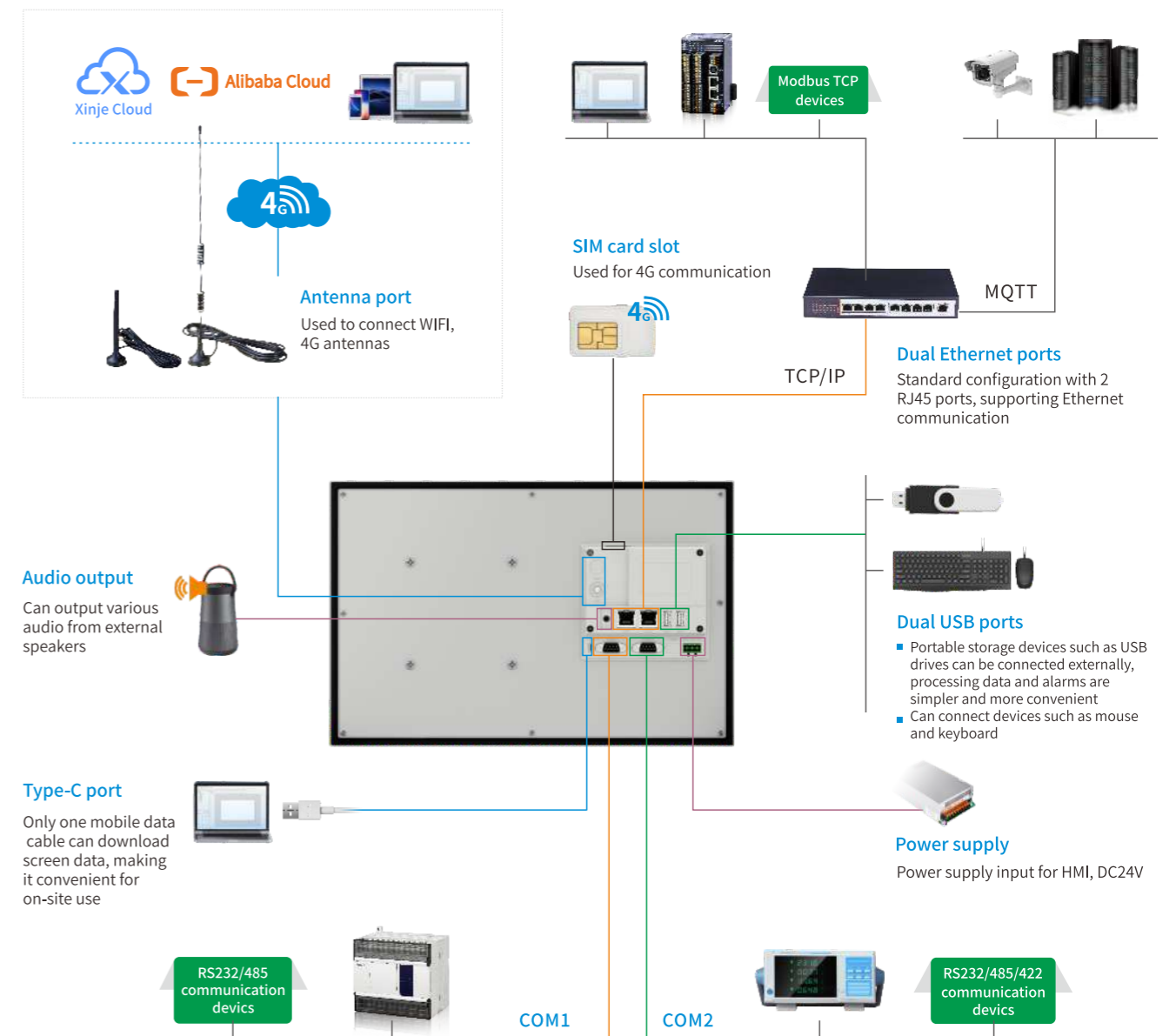
Function

📡 Networking communication
- Support wired communication, optional wireless (WIFI or 4G) internet access, ensuring both communication and networking
- Cover mainstream information exchange protocols, support MQTT and TCP/IP communication

📹 Multimedia
Support streaming media and preset video playback, with better performance when used in conjunction with audio

📹 Real time monitoring
Support connecting network cameras for remote monitoring

Xinje Cloud   Alibaba Cloud

4G

Antenna port
Used to connect WIFI, 4G antennas

SIM card slot
Used for 4G communication

Modbus TCP devices

MQTT

4G

TCP/IP

Dual Ethernet ports
Standard configuration with 2 RJ45 ports, supporting Ethernet communication

Audio output
Can output various audio from external speakers

Dual USB ports
- Portable storage devices such as USB drives can be connected externally, processing data and alarms are simpler and more convenient
- Can connect devices such as mouse and keyboard

Type-C port
Only one mobile data cable can download screen data, making it convenient for on-site use

Power supply
Power supply input for HMI, DC24V

RS232/485 communication devics

COM1

COM2

RS232/485/422 communication devics

Naming rule

TS5D - 1500 - E2
①　　②　　③

① Series name
TS5D series

② Display size
1500: 15.6 inches

③ Interface configuration

E2： Equipped with Type-C port, USB-A port*2, COM1, COM2, RJ45 port*2, audio port

4G： Equipped with Type-C port, USB-A port*2, COM1, COM2, RJ45 port*2, audio port, SIM card slot, antenna port

W： Equipped with Type-C port, USB-A port*2, COM1, COM2, RJ45 port*2, audio port, antenna port