



# **SX4000 Series**

## **SX4000 New Metal HMIs**

- Aluminum enclosure, low cost, high reliability.
- The main board is with spray coating treatment, adapt to harsh industrial environment.
- High resolution, high brightness, LED backlight.
- Simple dual communication ports, supporting USB Disk/USB
- Totally new configuration software, rich gallery and powerful function.



- 12.1" 1024×768 TFT LCD.
- Metal enclosure and with only 38mm thickness.
- Industrial Isolated Power Supply module, 4 Serial Ports.
- USB 2.0 Device Port and high-speed software downloading.
- USB Host, Supporting USB Disk/USB Keyboard/Mouse expanded device etc.
- Wide temperature, working under -20~70C.
- The mainboard is with spray coating treatment, adapt to harsh industrial environment.
- Complied with ROHS, CE.

## Technical Parameters

Display:	12.1" TFT LCD
Resolution(W x H):	1024×768
Colors:	24-bit
Brightness:	370 cd/m <sup>2</sup>
Backlight:	LED
Backlight Life:	50000 hours
Touch Panel:	4 wires resistive touch screen (Surface hardness 4H)
CPU:	600MHz ARM Cortex A8
Memory:	128MB Flash + 128MB DDR3
RTC:	Built in
Ethernet:	10M/100M Ethernet
USB Port:	USB Device 2.0*1, USB Host 2.0*1
Download Project:	U-disk /USB Device/Ethernet/SD Card
COM Port:	COM1/COM2 : RS232/RS485/RS422 COM3/COM4 : RS232

# Technical Parameters

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## Specifications

Power Consumption	< 15W
Input Power	DC24V, working range DC 18V~28V
Power Protection	Isolated power supply, protected from surging and thunderstrike
Power Down Allowed:	< 5mS
CE	Complied with EN61000-6-2:2005, EN61000-6-4:2007, CE
RoHS	RoHS, Surge Immunity:±1KV, EFT:±2KV; ESD:4KV, Air:8KV

## Environment Specifications

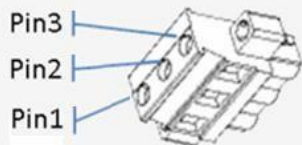
Operating Temperature:	-20~70C
Storage Temperature:	-30~80C
Operating Humidity:	10~90%RH (no condensate)
Vibration Endurance:	10~25Hz (X、Y、Z direction 2G/30 minutes)

## Others :

Degree of Protection:	Front IP65(with NEMA panel),Back IP20
Shell Material:	Front cover made by aluminum, and the surface with hard oxide treatment; Back cover made by galvanized sheet and the surface with dry spray treatment
Panel Cutout:	291×219 (mm)
Dimension:	310×240×48.5(mm) (without terminals)
Weight:	About 2200g

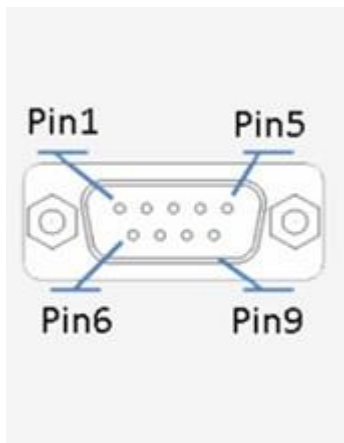
# Ports Specifications

## Power Terminals



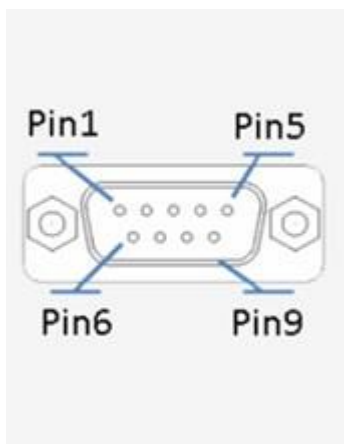
Pin1	DC24V
Pin2	0V
Pin3	FG

## COM1/COM3 Communication Ports (9DB Male)



Pin1	Rx-(B)
Pin2	RxD_PLC (COM1 RS232)
Pin3	TxD_PLC (COM1 RS232)
Pin4	Tx-
Pin5	GND
Pin6	Rx+(A)
Pin7	RxD_PC/PLC (COM3 RS232)
Pin8	TxD_PC/PLC (COM3 RS232)

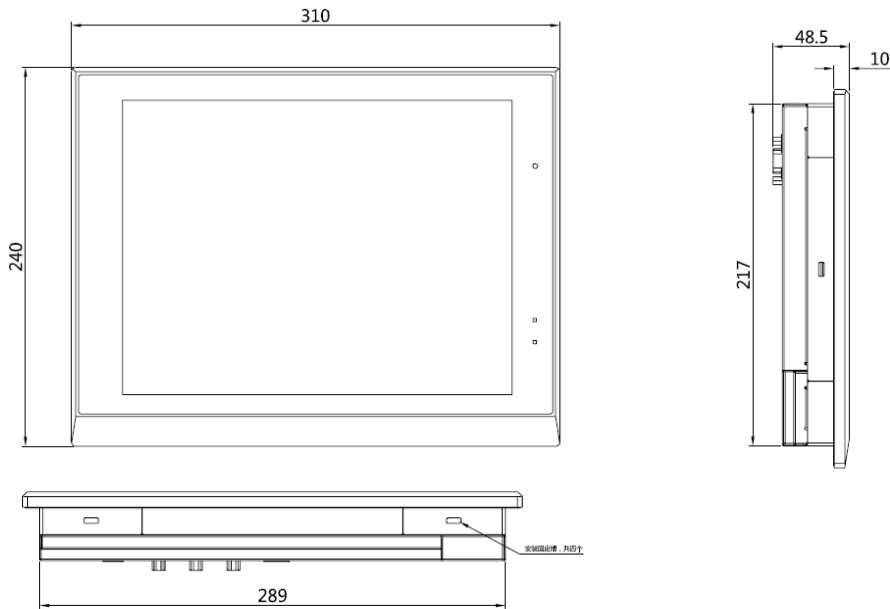
## COM2/COM4 Communication Ports (9DB Male)



Pin1	Rx-(B)
Pin2	RxD_PLC (COM2 RS232)
Pin3	TxD_PLC (COM2 RS232)
Pin4	Tx-
Pin5	GND
Pin6	Rx+(A)
Pin7	RxD_PC/PLC (COM4 RS232)
Pin8	TxD_PC/PLC (COM4 RS232)
Pin9	Tx+

# Dimension

## Dimension



## Hole Dimension

