



FE4000 Wide Temperature Series

FE4000 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.



- 4.3" 480×272 TFT LCD.
- Aluminum enclosure.
- Industrial isolated power module, 4 isolated serial ports.
- USB Device 2.0, high speed downloading program.
- USB Host, supporting USB Disk/USB Keyboard/Mouse expanded device etc.
- Complied with ROHS, CE.

Technical Parameters

Display:	4.3" TFT LCD
Resolution:	480×272
Colors:	24 Bit
Brightness:	400 cd/m ²
Backlight:	LED
Backlight life:	50000 hours
Touch Panel:	4- wire resistive touch screen (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:	USB Device/U-disk/Ethernet
COM Port	COM1 : RS232/RS485/RS422 COM3 : RS232

Technical Parameters

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Specifications

Power Consumption	< 5W
Input Power	DC24V , working range DC 9V~28V
Power Protection	Protected from thunder strike and surging
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

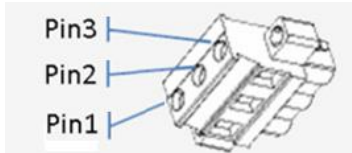
Operating Temperature:	-20~70°C
Storage Temperature:	-30~80°C
Operating Humidity:	10~90%RH (no condensate)
Vibration Endurance:	10~25Hz(X、 Y、 Z direction 2G/30 minutes)

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:	120×93 (mm)
Dimension:	128×102×32 (mm) (without terminals)
Weight:	About 500g

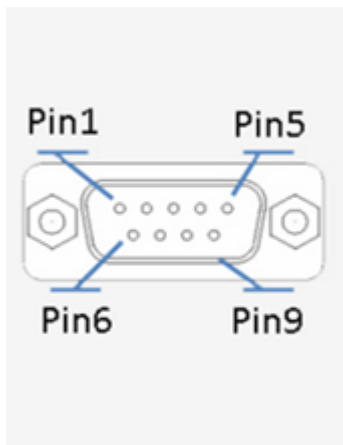
Ports Specification

Power Terminals



Pin1	DC24V
Pin2	0V
Pin3	FG

COM1/COM3 Communication Ports (Male)

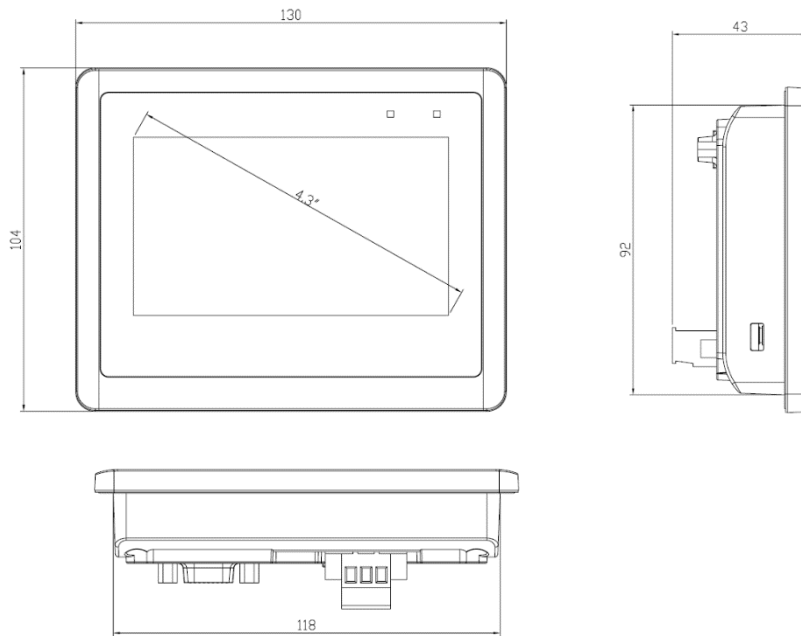


Pin1	Rx-(B)
Pin2	RxD_PLC (COM1 RS232)
Pin3	TxD_PLC (COM1 RS232)
Pin4	Tx+
Pin5	GND
Pin6	Rx+(A)
Pin7	RxD_PC/PLC (COM3 RS232)
Pin8	TxD_PC/PLC (COM3 RS232)
Pin9	Tx+

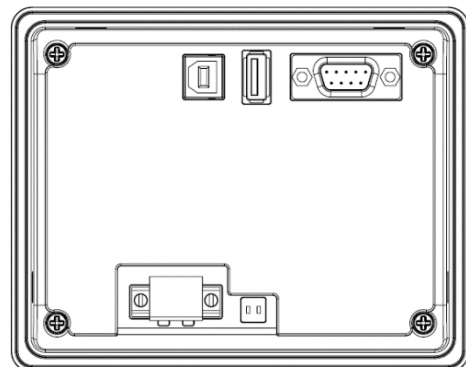
Dimension

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Dimension



Hole Dimension



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