



# **FE4000 Series**

## **FE4000 New Economic HMIs**

- ABS+PC enclosure, low cost, high reliability.
- The mainboard 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.

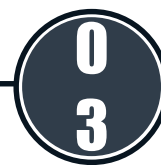


- 7.0" 800×480 TFT LCD.
- ABS+PC, plastic enclosure and with only 38mm thickness.
- Industrial Isolated Power Supply module, 4 Serial Ports.
- USB 2.0 Device Port and high-speed software downloading.
- USB Host, Supporting USB Disk/USB Keyboard/Mouse expanded device etc.
- SD Card supporting.
- The mainboard is with spray coating treatment, adapt to harsh industrial environment.
- Complied with ROHS,CE.

## Technical Parameters

Display:	7" TFT LCD
Resolution(W x H):	800×480
Colors:	24-bit
Brightness:	360 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/SD Card/Ethernet
COM Port:	COM1/COM2 : RS232/RS485/RS422 ; COM3/COM4 : RS232

# Technical Parameters



## Specifications

Power Consumption	< 10W
Input Power	DC24V , working range DC 9V~28V
Power Protection	Isolated power, protected from surging and thunderstike
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:	0~50C
Storage Temperature:	-20~60C
Operating Humidity:	10~90%RH ( no condensate )
Vibration Endurance:	10~25Hz ( X、 Y、 Z direction 2G/30 minutes )

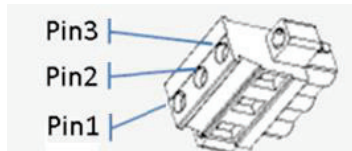
## Others:

Degree of Protection:	Front IP65(with NEMA panel),Back IP20
Shell Material:	ABS+PC
Panel Cutout:	192×138 ( mm )
Dimension:	204×145×44.5 ( mm ) ( without terminals )
Weight:	About 650g

# Ports Specifications

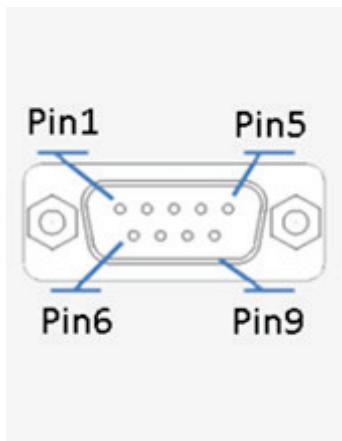
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## Power Terminals



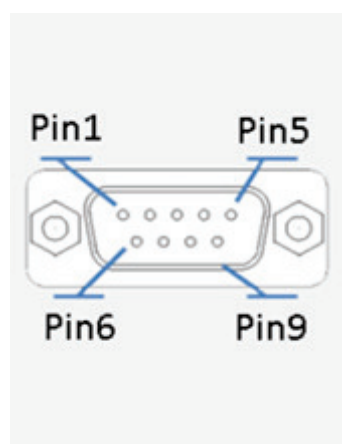
Pin1	DC24V
Pin2	0V
Pin3	FG

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



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 Female)

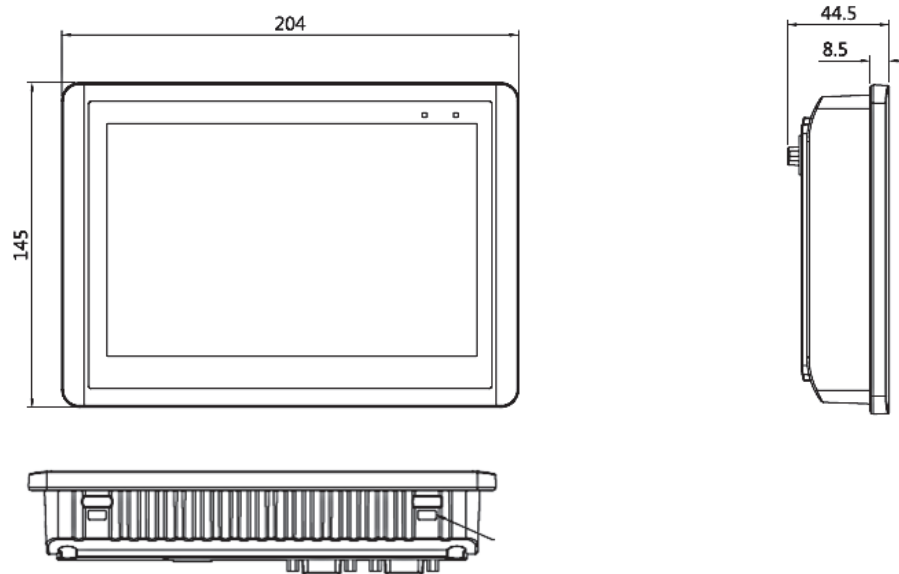


Pin1	Rx-(B )
Pin2	RxD_PLC (COM2 RS232)
Pin3	TxD_PLC (COM2 RS232)
Pin4	Tx-
Pin5	GND
Pin6	Rx+(A)
Pin7	RxD_PC/PLC (COM4 RS232)
Pin8	TxD_PC/PLC (COM4 RS232)
Pin9	Tx+

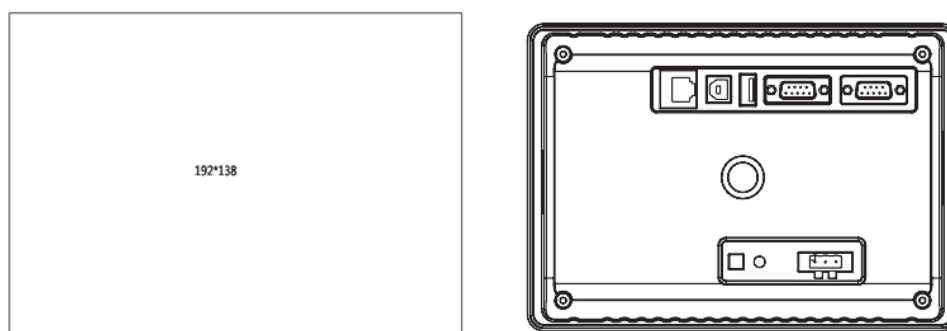
# Dimension

05

## Dimension



## Hole Dimension



## Shanghai ( R&D )

Add. Room 804, C6 Building, No.52 Bay Valley Technology Park, Lane 1688 North Guoquan Road, Yangpu District, Shanghai, 200438

Tel. +86-21-68683993

Fax +86-21-65107569

## Suzhou

Add. Room 915, Ruiqi Building, No.668 Fengting Road, Suzhou Industrial Area, Suzhou.

Tel. +86-512-69833996

## Shenzhen

Add. 5 Floor C, No.2 Building, Honglong High-tech Park (Lanyun Industrial Park), Liyuan Industrial Area, Zhuangchang Villiage, Langxin committee, Shiyan Street, Bao'an District, Shenzhen

Tel. +86-755-27610682

Fax +86-755-27629895

## Wuxi

Add. Room 1603, Taihu Lake Developing Building, No. 1890 West Lake Avenue, Binhu Area, Wuxi.

Tel. +86-18505101982

## Beijing

Add. Room 303, Unit 4, Building 1, Caiman Street, No 67 Chaoyang Road, ChaoYang District, Beijing.

Tel. +86-10-51388516

Fax +86-10-51388681

Bussiness: 0755-27610681

Technical Support: 4008-033-022

E-mail: [sales@flexem.cn](mailto:sales@flexem.cn)

Website: [www.flexem.com](http://www.flexem.com)