

FLEXEM——Capacitive HMI 3000 Series

Module: FE3043H

Overview

- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, more energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 2-way serial port, more powerful expansion function.
- New configuration software, rich library, powerful features.

Appearance







Specifications

Hardware Parameter	Display	4.3" 16:9 TFT LCD	
	Resolution(WxH)	800×480	
	Colors	16-bit	
	Brightness	250 cd/m²	
	Backlight	LED	
	LCD Life	50000 hours	
	Touch Panel	4 wires resistive touch screen(Surface hardness 4H)	
	CPU	600MHz ARM9	
	Memory	64MB RAM+128MB Flash	
	SD Card	None	
	Ethernet	None	
	USB Port	1 Type-C OTG Connection	
	Download Project	USB Slave Port/U-disk	
	COM Port	COM1: RS232/RS485/RS422; COM3: RS232	
	LCD viewing angle (T/B/L/R)	80'/80'/80'/80'	
	Power Consumption	< 2.5W	
Electrical	Input Power	DC24V, Working range DC 9V~28V	
	Power Protection	Protected from thunderstrike and surging	
	Power Down Allowed	< 5mS	
Specifications	CE & RoHS	Complied with EN61000-6-2:2005,	
		EN61000-6-4:2007, ROHS, Surge Immunity:±1KV,	
		EFT:±2KV, ESD:4KV, Air:8KV	
	Operating Temperature	0~50C	
	Storage Temperature	-20~60C	
Environmental	Anti-UV	Not suitable to work in strong ultraviolet light (such as	
		direct sunlight)	
Specifications	Operating Humidity	10~90%RH(no condensate)	
	Vibration Endurance	10~25Hz (X,Y,Z direction 2G/30 minutes)	
	Cooling	Natural air cooling	
Mechanical Index	Degree of Protection	Front IP65 (with NEMA panel, Back IP20)	
	Enclosure	ABS	
	Panel Cutout	132mm×80mm	
	Dimension	138mm×86mm×32mm	
	Weight	About 300g	

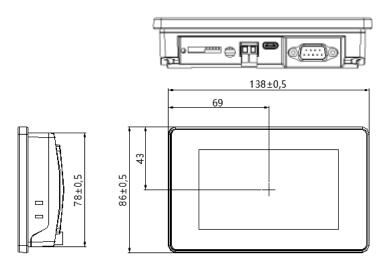


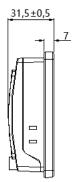
Wiring definition

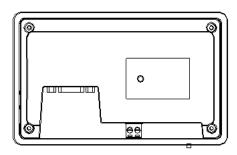
Power Terminal (Pin1~Pin2 from left to right)					
	<u> </u>	Pin1	0V		
		Pin2	DC24V		
DB9 Serial Terminal (Pin1~Pin9 from left to right)					
		Pin1	Rx-(B)		
Pin1	Pin5	Pin2	RxD (COM1 RS232)		
		Pin3	TxD (COM1 RS232)		
		Pin4	Tx-		
		Pin5	GND		
		Pin6	Rx+(A)		
		Pin7	RxD (COM3 RS232)		
Pin6	Pin9	Pin8	TxD (COM3 RS232)		
1 110	1 117	Pin9	Tx+		
USB Host					
			Used to connect U disk, scan code gun		
		USB Type A	and other peripherals(It needs type C		
			and USB Type A conversion line		
USB Slave					
			Slave port function: used to download		
			programs and debug		
			Main port function:used to connect U		
		USB Type C	disk, scan code gun and other		
			peripherals(It needs type C and USB		
			Type A conversion line		
			/Tr		



Size FE3043H







Embedded Installation Size: 132*80mm



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