

## FLEXEM——Capacitive HMI 5000 Series

### Module: FE5320

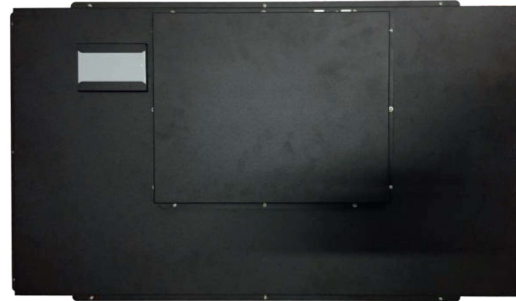
#### Overview

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- Multi-touch capacitive touch screen, sensitive and clear, scratch-resistant, no drift.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- It supports multiple handheld operations, more friendly human-machine interaction experience.
- High resolution, high brightness, all-round viewing angle.
- New configuration software, rich library, powerful features.
- 3-way serial port, With Ethernet port, more powerful expansion function.

#### Appearance

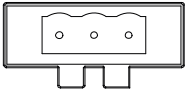
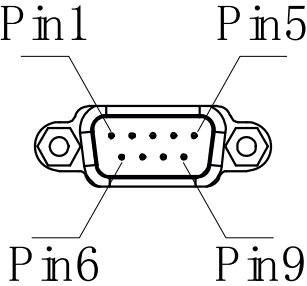
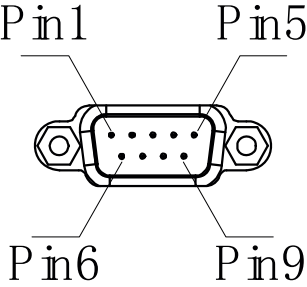
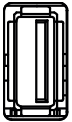


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**Specifications**

Hardware parameter	Display	32" 16:9 TFT LCD
	Resolution(WxH)	1920×1080
	Colors	16-bit
	Brightness	250 cd/m <sup>2</sup>
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	Glass+Glass projective multi-touch capacitive HMI
	CPU	800MHz ARM Cortex-A8
	Memory	256M Flash + 256M DDR3
	RTC	Built in
	SD Card Port	Available
	Ethernet	10M/100M Adaptive
	USB Port	USB Slave 2.0 Port*1, USB Host 2.0 Port*1
	Download Project	USB Slave Port/U-disk/Ethernet
	COM Port	COM1/COM2: RS232/RS485/RS422 COM3: RS232
LCD viewing angle (T/B/L/R)	89'/89'/89'/89'	
Electrical Specifications	Power Consumption	< 20W
	Input Power	DC24V,working range DC 18V~28V
	Power Protection	Protected from thunderstrike and surging
	Power Down Allowed	< 5mS
	CE & RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007,RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV
Environment Specifications	Operating Temperature	0~50°C
	Storage Temperature	-20~60°C
	Anti-UV	Not suitable to work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH(No condensation)
	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	Aluminium alloy + galvanized sheet covering powder
	Panel Cutout (WxH)	806.9mm×501.3mm×56.6mm
	Weight	About 16350g

**Wiring definition**

Power terminal (Pin1~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial terminal (COM1/COM3) (Pin1~Pin9 from left to right)		
	Pin1	Rx-(B)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+
COM2 (Pin1~Pin9 from left to right)		
	Pin1	Rx-(B)
	Pin2	RxD (COM2 RS232)
	Pin3	TxD (COM2 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	—
	Pin8	—
	Pin9	Tx+
USB Host		
	USB Type A	Used to connect U disk, scan code gun and other peripherals
USB Slave		
	USB Type B	Used to download programs and debug
Ethernet port		
	RJ45	Used for Ethernet setup with the controller or for connecting to a server

**Size FE5320**

