

Flexem HMI 7000 Series

Model: FE7070WE

Products Overview

Flexem FE7000 series HMI is new generation IOT HMI, it is with high performance, industrial ABS economic frame, low cost, high reliability. Fully new cover mold setting, optimize back cover design in 6000 series HMI, removing back cover design, adding some antenna holes to increase products design, and more resolution models can be selected to meet different application needs.

FE7070WE is traditional HMI products by optimizing 1G, 4-core A7 processor, it is with quite high resolution and applicable for various industrial production scene.

Products Outlook

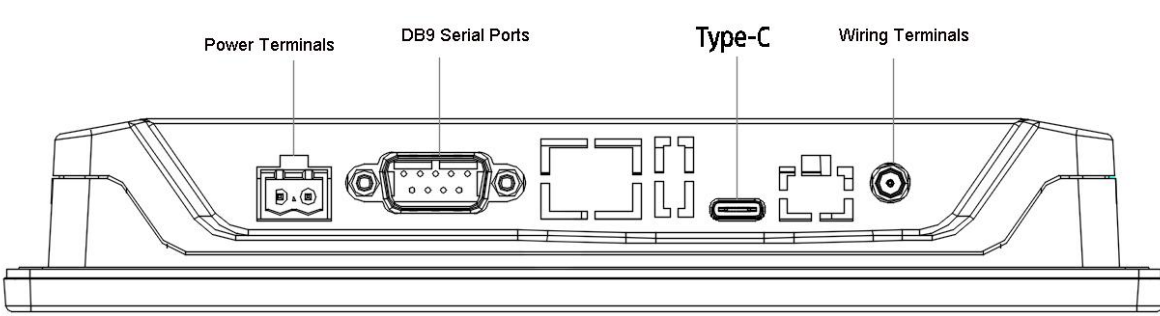

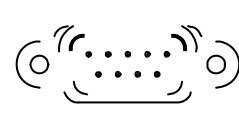

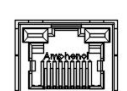




Products Specifications

Hardware Parameters	Touch Screen	7" 16:9 TFT LCD touch screen
	Resolution	1024×600
	Color	24-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD life	50000 hours
	Touch Screen	4-wire industrial Touch Screen
	CPU	1GHz, 2-core CortexTM-A7
	Memory	4GB eMMC + 128MB DDR
	RTC	Built-in
	Ethernet	1-line 10M/100M adaptable
	SD Card	not support
	USB Ports	1 Type-C OTG interface; 1 USB Type A interface
	Program Downloading	USB Slave/U-disc
	Serial Communication Port	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
LCD View Angle (T/B/L/R)	85'/85'/85'/85'	
Electric Specifications	Rated Power	< 10W
	Rated Voltage	DC24V, working range DC 9V~28V
	Power Protection	It is with lightening and surging protection
	Power Loss	< 5mS
	CE & RoHS	It confirms to EN61000-6-2:2005, EN61000-6-4:2007 standard Confirms to RoHS, lightening and surging±1KV,group pulse ±2KV, Static contact 4KV, air discharge: 8KV
Environment Specifications	Working Temperature	0~50℃
	Storage Temperature	-20~60℃
	Anti-violet	It prohibits working under strong violet (such as direct sunshine).
	Environment Humidity	10~90%RH(non condensate)
	Anti-vibraton	10~25Hz(X,Y, Zdirection 2G/30 minutes)
	Cooling	Natural Cooling
Mechanical Parameters	Protection Grade	Front panel confirms to IP65(equip with flat cabinet installation),back cover confirms to 20

	Mechanic Structure	Plastic Engineering
	Hole Size	190mm×136mm
	Machine Size	204mm×145mm×34mm (difference±0.5mm)
	Machine Size	About 472 g

Wiring Definition

			
Power Terminals (Pin1~2 from left to right)			
	Pin1	0V	
	Pin2	DC24V	
DB9 serial Ports			
	Pin	COM1	COM3
	Pin1	Rx-(B) (RS422/485-)	
	Pin2	RxD (RS232)	
	Pin3	TxD (RS232)	
	Pin4	Tx- (RS422)	
	Pin5	GND	
	Pin6	Rx+(A) (RS422/485+)	
	Pin7		RxD (RS232)
	Pin8		TxD (RS232)
Pin9	Tx+ (RS422)		
485Terminals(Pin1~2 from left to right)			
	Pin1	A+ (COM2 RS485)	
	Pin2	B- (COM2 RS485)	
Ethernet Ports			
	RJ45	Used to Ethernet communication with controllers or used for server connection.	
Type-C OTG Interface			

	Type-C	<p>Slave Ports Function: used for program downloading and testing.</p> <p>Main Ports: used for U-DISC connection, scanner etc(it needs equip Type C and USB Type A conversion line).</p>
Antenna Terminals		
		Antenna Ports(IOT function model with open antenna hole).

Size FE7070WE

