

## Flexem HMI 7000 Series

### Flexem HMI: FE7070C

#### 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. FE7070C is traditional HMI products by optimizing 1G, 4-core A7 processer, it is with quite high advantages.

#### Products Outlook

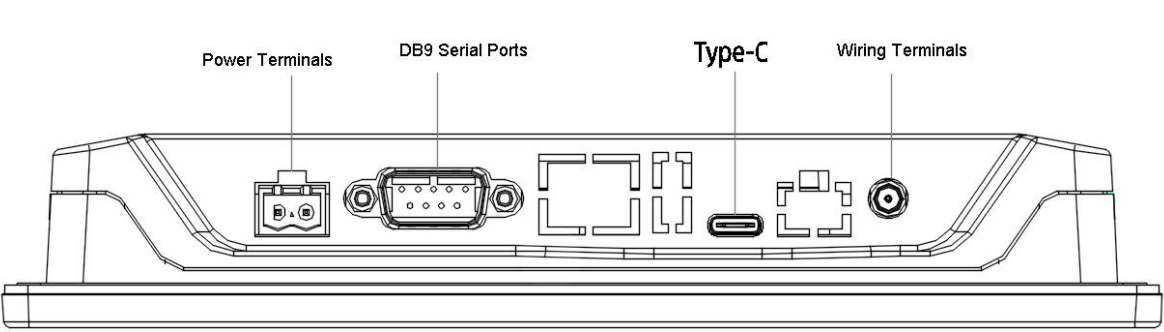

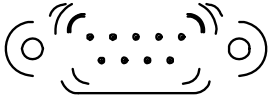




## Products Specifications

Hardware Parameters	LCD touch screen	7" 16:9 TFT LCD touch screen
	Resolution	800×480
	Color	24-bit
	Brightness	350 cd/m <sup>2</sup>
	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	None
	USB Ports	1 Type-C OTG interface, 1 USB Type A interface
	Program Downloading	USB Slave/U-disc(adapt Type-C conversation line)
	Serial Communication Port	COM1:RS232/RS485/RS422; COM3:RS232
LCD Viewing Angle (T/B/L/R)	50'/70'/70'/70'	
Specifications	Rated Power	< 10W
	Rated Voltage	DC24V,working range DC 9V~28V
	Power Protection	Protect from lightening and surging
	Power Loss Allowed	< 5mS
	CE & RoHS	Confirms to EN61000-6-2:2005 and EN61000-6-4:2007 standard, Confirms to RoHS, lightening and surging±1KV,group pulse±2KV, Static contact 4KV, air discharging 8KV
Environment Requirement	Working Temperature	0~50C
	Storage Temperature	-20~60 C
	Anti-violet	Prohibits working under strong violet such as direct sunshine.
	Environment Humidity	10~90%RH(non condensate)
	Anti-vibration	10~25Hz(X, Y, Z direction 2G/30 minutes)
	Cooling	Natural Cooling

Mechanical Parameters	Protection Grade	Front panel confirms to IP65(flat cabinet installation),back cover confirms to IP20
	Mechanic Structure	Engineering Plastic
	Hole Size	190mm×136mm
	Whole Machine Size	204mm×145mm×34mm(difference±0.5mm)
	Weight	Around 476g

## Wiring Definition

Power Terminals	DB9 Serial Ports	Type-C	Wiring Terminals
			
Power Terminals (Pin1~3from left to Right)			
	Pin1	0V	
	Pin2	DC24V	
DB9 Serial Ports			
	Pin1	Rx-(B) (COM1 RS422/485-)	
	Pin2	RxD (COM1 RS232)	
	Pin3	TxD (COM1 RS232)	
	Pin4	Tx- (COM1 RS422)	
	Pin5	GND	
	Pin6	Rx+(A) (COM1 RS422/485+)	
	Pin7	RxD (COM3 RS232)	
	Pin8	TxD (COM3 RS232)	
	Pin9	Tx+ (COM1 RS422)	
Type-C OTG Interface			
	Type-C	Slave Ports: Used for Program downloading and testing	
		Main Port Function: used for connecting-DISC,scanner etc peripheral apparatus(it needs equip Type C and USB Type A adapter)	
Antenna Ports			
		Antenna ports(IOT function model antenna hole)	

## Size FE7070C

