

Flexem HMI 7000Series

Model: FE7100WE-4G

Products Overview

Flexem FE7000 series HMI is new generation IOT HMI, it is with very high performance, industrial ABS economic frame, low cost, high reliability, fully new cover mold setting, optimize back cover design, removing back over design, add some antenna hole, increase whole products design, with various resolution optional to satisfy various application needs.

FE7100WE-4G is traditional HMI product with 1G, 4 core A7 processor, high resolution touch screen display, can be widely used in various industrial scene, with IOT module built, no need insert FLINK module can use IOT engineering.

Products Outlook



Products Specifications

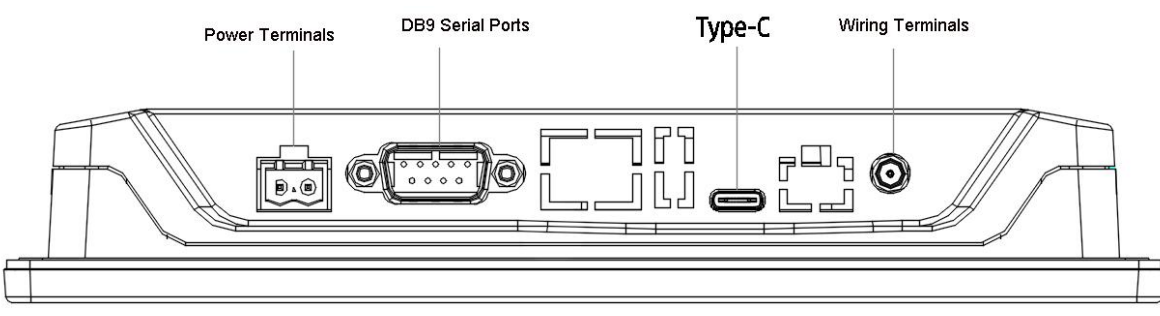

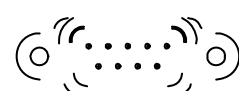



Hardware Parameters	Touch Screen	10.1" 16:9 TFT LCD touch screen
	Resolution	1024×600
	Color	24-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD Life	50000 Hours
	Touch Screen	4-wire industrial touch screen
	CPU	1GHz, 4 core CortexTM-A7
	Memory	4GB Flash + 128M DDR3
	RTC	Built-in
	Ethernet	1-line 10M/100M adaptive
	SD Card	Supporting
	USB Port	1 Type-C OTG interface, 1 USB Type A interface
	Program Downloading	USB Slave/U-disc
	Serial Communication Ports	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
LCD Viewing Angle (T/B/L/R)	85'/85'/85'/85'	
Software Parameters	IOT Connection	Ethernet Mobile 4G/Unicom 4G/Telecom 4G
	Network Frequency	LTE FDD: B1/B3/B5/B8 LTE TDD: B38/B39/B40/B41
	VPN Transmission	Supporting
	Data Monitoring	300,it supports timing upload or variable upload
	Alarm Push	100, it supports clients push, SMS push, WeChat public NO.
	Historical Data	30, it supports offline transfer, everyday can store 5w during offline,and it can save around 180 days in the cloud.
	Edge Computing	20,it supports scripts programming.
	Network Protocol	It supports over hundred of industrial protocols
	Managing and Maintenance	It supports equipping file lead in and lead out, and cloud downloading configuration.
Electric Specifications	Rated Power	< 10W
	Rated Voltage	DC24V, working range DC 9V~28V
	Power Protection	It is with lightening and surging protection.




	Power Loss allowed	< 5mS
	CE & RoHS	It confirms to EN61000-6-2:2005, EN61000-6-4:2007 standard, RoHS, lightning and surging $\pm 1\text{KV}$, group pulse $\pm 2\text{KV}$. Static Contact 4KV, Air Discharging 8KV
Environment Specifications	Working Temperature	0~50°C
	Storage Temperature	-20~60°C
	Anti-violet	Prohibit working under strong violet environment 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
Mechanic Parameters	Protection Grade	Front panel confirms to IP65(equip with flat cabinet installation), machine cover confirms to IP20
	Mechanic Structure	Engineering Plastics
	Hole Size	260mm×202mm (Difference+1mm/0.0mm)
	Machine Size	273mm×213mm×36mm(Difference $\pm 0.5\text{mm}$)
	Machine Weight	About 920 g



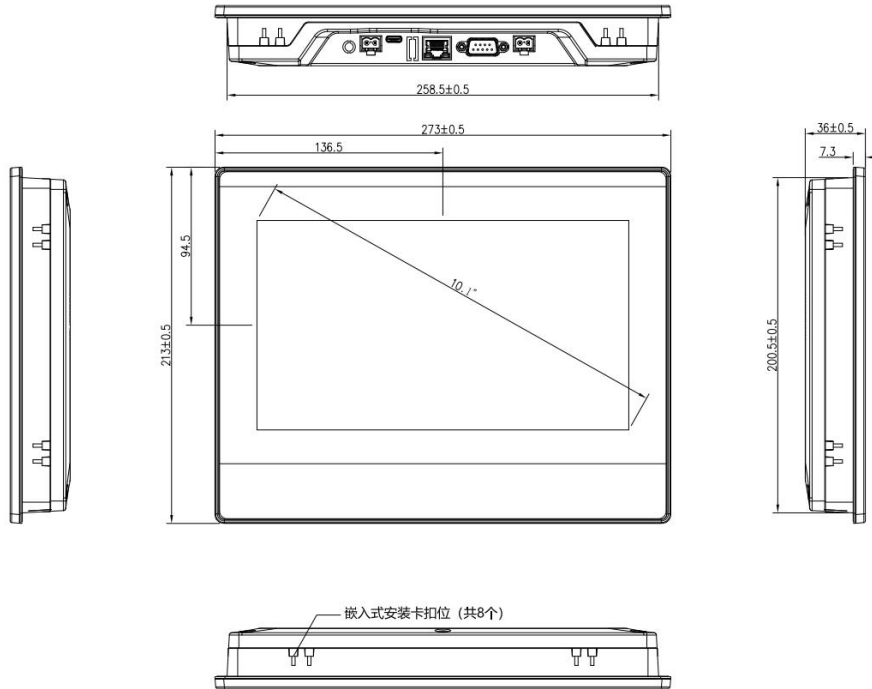
Wiring Denifition

Power Terminals		DB9 Serial Ports		Type-C		Wiring Terminals	
							
Power Terminals (Pin1~2 from left to Right)							
	Pin1	0V					
	Pin2	DC24V					
DB9 Serial Port Terminals							
	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)						
485 Terminals (Pin1~2 from left to Right)							
	Pin1	A+ (COM2 RS485)					
	Pin2	B- (COM2 RS485)					
Ethernet Ports							
	RJ45	It is used for communication with controller or used for connecting server.					
Type-C OTG Interface							
	Type-C	Slave Ports Function: Used for program downloading and testing.					
Slave Ports Function: Used for connecting U-DISC and scanner etc peripheral apparatus(it needs Type C and USB Type A conversion line).							
Antenna Ports							



	Antenna Ports(IOT function will open antenna hole).
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Size FE7100WE-4G



Embedded Installation Hole
: 260*202(+1.0mm/-0.0mm)

