

Flexem FPAD7 Series HMI

Model: FPAD710

Product Overview

The FPAD7 series is a new generation of Web HMI, which has a high performance and continues the cost-effective HMI application solutions; it supports HTML5 browser remote access and rich edge computing functions; and its new appearance design

The new appearance design improves the overall design sense of the product. Dual Gigabit Ethernet port configuration to meet the needs of on-site data interconnection. High-resolution liquid crystal configuration and standard

High-resolution configuration and standard HDMI interface for high-definition playback of video content. A variety of sizes are available to meet the needs of different application scenarios.

Product Appearance







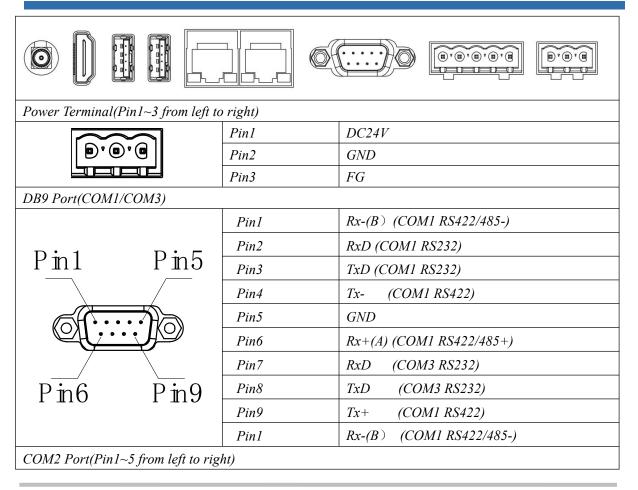
Product Specifications

	Display	10.1" 16:10 TFT LCD	
	LCD Viewing	85'/85'/85'	
	Angles (T/B/L/R)		
	Resolution	1280× 800	
	Colors	24-bit	
	Brightness	400 cd/m ²	
	Backlight Type	LED	
	LCD Lifetime	50000 hours	
	Touch Panel	4-wire industrial resistive touchscreen	
		SOC 8nm Ai chip, octa-core 64-bit size core architecture:	
	CPU	4*Cortex-A76 + 4*Cortex-A55, 2.4GHz; Ai arithmetic power	
		6.0Tops	
	GPU	Mali-G610 MC4	
	Storage	32GB EMMC+4GB DDR4	
	RTC	Built-in	
	Ethernet	2*Gigabit Ethernet(10/100/1000M)	
	USB Port	2*USB3.0 Type-A port	
	HDMI Port	HDMI 2.0a port,support 1080P display	
		COM1:RS232/RS485/RS422	
	Serial Port	COM3:RS232	
		COM2:RS485/RS422	
	WiFi	Optional	
	4G	Optional	
Electri	Rated Power	< 10W	
cal	Input Power	DC24V,input range: 18V~28V	
Specif	Power Protection	With lightning surge protection	
icatio	Power Interruption	< 5mS	
ns	Tolerance		



	Certification	EN61000-6-2:2005 and EN61000-6-4:2007standards certified;RoHS certified;lightning;surge±1kV;group pulse± 2kV;electrostatic contact 4kV, air discharge 8kV			
Enviro nment al Specif icatio	Operating Temperature	-10~60℃			
	Storage Temperature	-20~70℃			
	UV Resistance	Operating in high UV environment is prohibited (e.g., in direct sunlight)			
	Environmental Humidity	10~90%RH(non-condensing)			
ns	Vibration Endurance	10~25Hz(X、Y、Z direction, 2G / 30 minutes)			
	Cooling Method	Natural Cooling			
Mech anical Specif icatio ns	Installation Method	Flush-mounted installation/VESA installation			
	Protection Level	Front: IP65(with NEMA enclosure),Rear: IP20			
	Enclosure material	Non-ferrous alloys			
	Cutout Dimensions	260mm×202mm			
	Overall Dimensions	274mm×214mm×27mm			
	Weight	About 1450g			

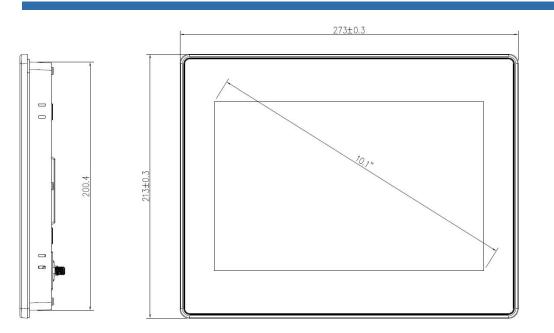
Wiring Definition

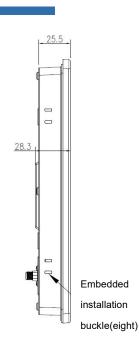




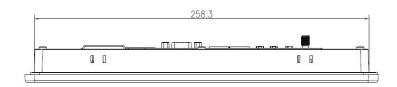
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	Pin1	Rx+(A) (COM2 RS422/485+)
	Pin2	Rx-(B) (COM2RS422/485-)
	Pin3	GND
	Pin4	Tx+ (COM2 RS422)
	Pin5	Tx- (COM2 RS422)
USB Host Port		
	USB Type A 3.0	For peripheral devices, such as flash drive or
		bar code scanner, etc.
USB OTG Port		
	USB Type A 3.0	For program downloading and debugging.
		For peripheral devices, such as flash drive or
<u></u>		bar code scanner, etc.
HDMI Port	_	
	HDMI 2.0a	Support 1080P display.
Ethernet port*2		
	D 1.15	Used for Ethernet setup with controllers or to
Щ,Ш	RJ45	connect servers
Antenna Port (Optional)	•	
0	Antenna Socket	SMA antenna port

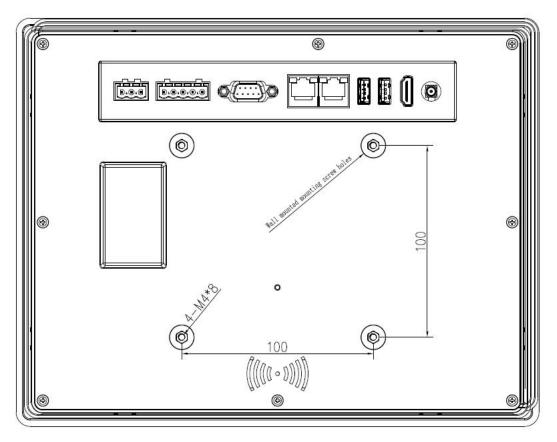
Dimension drawings











Cutout dimensions of flush-mounted installation: 260mm*202mm; VESA installation: 100mm*100mm