

Flexem FPAD7 Series HMI

Model: FPAD716

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

Hardware	Display	15.6" 16:9 TFT LCD
	LCD Viewing Angles (T/B/L/R)	85'/85'/85'/85'
	Resolution	1920×1080
	Colors	24-bit
	Brightness	250 cd/m ²
	Backlight Type	LED
	LCD Lifetime	50000 hours
	Touch Panel	4-wire industrial resistive touchscreen
	CPU	SOC 8nm Ai chip, octa-core 64-bit size core architecture: 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
	Serial Port	COM1:RS232/RS485/RS422 COM3:RS232 COM2:RS485/RS422
	WiFi	Depend on the choice of the user
4G	Depend on the choice of the user	
Electrical Specifications	Rated Power	< 18W
	Input Power	DC24V, input range:18V~28V
	Power Protection	With lightning surge protection
	Power Interruption Tolerance	< 5mS
	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

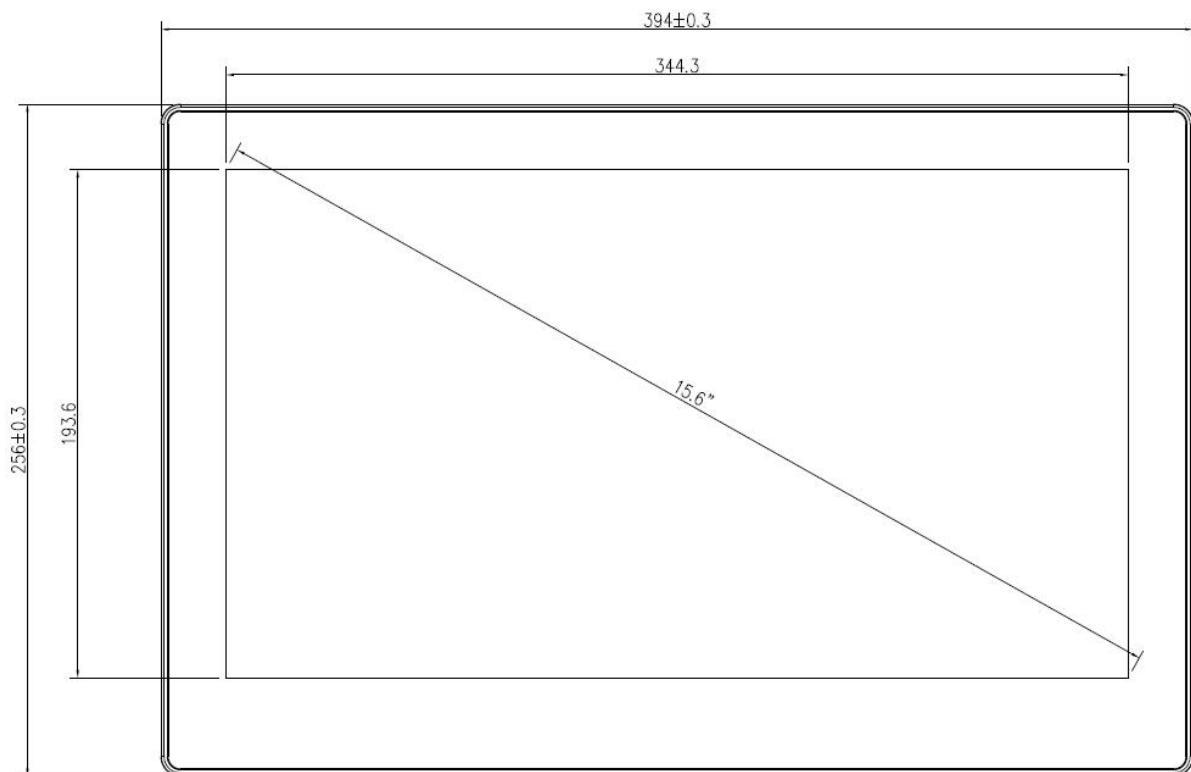
Environmental Specifications	Operating Temperature	-10~60°C
	Storage Temperature	-20~70°C
	UV Resistance	Operating in high UV environment is prohibited (e.g., in direct sunlight)
	Environmental Humidity	10~90%RH(non-condensing)
	Vibration Endurance	10~25Hz(X、Y、Z direction, 2G / 30 minutes)
	Cooling Method	Natural Cooling
Mechanical Specifications	Installation Method	Flush-mounted installation/VESA installation
	Protection Level	Front: IP65 (with NEMA enclosure) , Rear: IP20
	Enclosure material	Non-ferrous alloys
	Cutout Dimensions	380mm×245mm
	Overall Dimensions	394mm×256mm×31mm,
Weight	About 2500g	

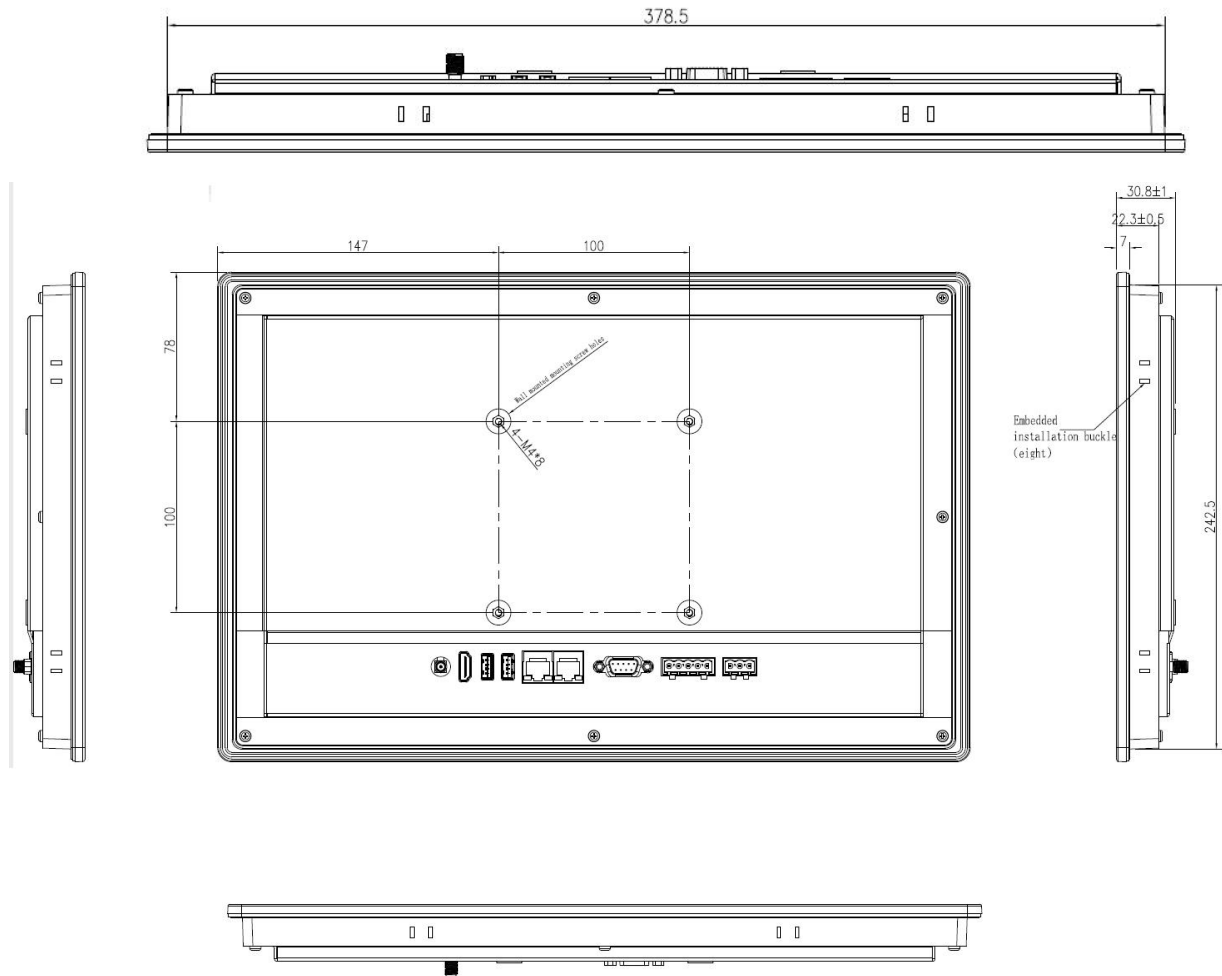
Wiring Definition

<i>Power Terminal(Pin1~3 from left to right)</i>		
	<i>Pin1</i>	<i>DC24V</i>
	<i>Pin2</i>	<i>GND</i>
	<i>Pin3</i>	<i>FG</i>
<i>DB9 Port(COM1/COM3)</i>		
	<i>Pin1</i>	<i>Rx-(B) (COM1 RS422/485-)</i>
	<i>Pin2</i>	<i>RxD (COM1 RS232)</i>
	<i>Pin3</i>	<i>TxD (COM1 RS232)</i>
	<i>Pin4</i>	<i>Tx- (COM1 RS422)</i>
	<i>Pin5</i>	<i>GND</i>
	<i>Pin6</i>	<i>Rx+(A) (COM1 RS422/485+)</i>
	<i>Pin7</i>	<i>RxD (COM3 RS232)</i>
	<i>Pin8</i>	<i>TxD (COM3 RS232)</i>
	<i>Pin9</i>	<i>Tx+ (COM1 RS422)</i>
<i>COM2 Port(Pin1~5 from left to right)</i>		
	<i>Pin1</i>	<i>Rx+(A) (COM2 RS422/485+)</i>
	<i>Pin2</i>	<i>Rx-(B) (COM2RS422/485-)</i>

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

Dimension drawings





*Cutout dimensions of flush-mounted installation: 380mm*245mm;
VESA installation: 100mm*100mm*