

Flexem FPAD9 Series High Controller

Model:FPAD-CB001

Products Overview

FPAD9 series is Flexem new generation high IOT touch screen, based on Linux operation system Intel X86 frame processor and large memory, it can provide basis for devices big data processing and high efficient running. Fully new configuration software, rich configuration model, strong application function can provide nimble and innovative and open program experience.Slim frame, embedded and VESA installation can make devices installing in any application environment, various human machine communication interface which can make it become information devices option.

Products Outlook




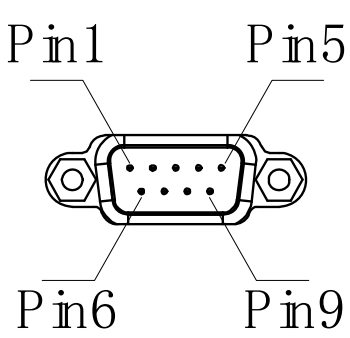


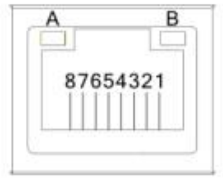

Products Specifications

Hardware	CPU	Integrating Intel Celeron J3455 4-core 1.50GHz processor,up to 2.30GHz
	Memory	8GB DDR3L, Support 1333/1600/1866 MHz
	Storage	128GB, SATA SSD Disk
	RTC	Built-in
	Ethernet	LAN1:RJ45, 10/100/1000 Mbps, LAN2:RJ45, 10/100/1000 Mbps
	USB Ports	4 * USB3.0 (TYPE-A, Rear IO)
	Display Interface	2*HDMI (upright 90° TYPE-A): up to 3840x2160@30Hz

	Serial Communication Ports	1 * RS232 (COM1, Full lanes, DB9/M)
	WiFi	Optional
	Horn	Built-in
	Operation System	Linux
Electric Specifications	Rated Power	< 60W
	Rated Voltage	DC12V/5A
	Power Protection	By using isolated power adapter, 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 and RoHS; Surging and lightening $\pm 1KV$, Group pulse $\pm 2KV$, Electro-Static Discharge:4KV, Air discharge: 8KV
Environment Requirement	Working Temp	0~50°C
	Storage Temp	-20~60°C
	Anti-violet	Prohibits under strong violet environment such as direct sunshine
	Environment Humidity	10~90%RH(Non-condensate)
	Anti-vibration	10~25Hz(X,Y,Z direction 2G/30minutes)
	Cooling way	Natural Cooling
Mechanic Parameters	Installation	Guide rail installation
	Protection Grade	Front Panel confirms to IP65(flat cabinet installation),back shell confirms to IP20
	Mechanic Structure	Alloy metal frame
	Size	394mm×256mm×53.3mm
	Weight	About 650g
Programing Software	FStudio Unified	

Wiring definition

Power Terminals		
	Power Socket	Power Socket

DB9 Serial Ports (COM1)																																												
	PIN	Function																																										
	Pin1	DCD#																																										
	Pin2	RxD (COM1 RS232)																																										
	Pin3	TxD (COM1 RS232)																																										
	Pin4																																											
	Pin5	GND																																										
	Pin6																																											
	Pin7																																											
	Pin8																																											
Pin9	RI#																																											
USB Host																																												
	USB Type A 3.0	Used for connecting U-disc and scanning gun																																										
Display Interface																																												
	HDMI Interface	HDMI signal output interface																																										
Ethernet Ports																																												
	RJ45	<table border="1"> <thead> <tr> <th>Pin</th> <th>Definition</th> <th>Pin</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MDI0_1+</td> <td>5</td> <td>MDI2_1-</td> </tr> <tr> <td>2</td> <td>MDI0_1-</td> <td>6</td> <td>MDI1_1-</td> </tr> <tr> <td>3</td> <td>MDI1_1+</td> <td>7</td> <td>MDI3_1+</td> </tr> <tr> <td>4</td> <td>MDI2_1+</td> <td>8</td> <td>MDI3_1-</td> </tr> <tr> <td rowspan="3">A</td> <td rowspan="3">Active LED</td> <td rowspan="3">B</td> <td rowspan="3">Speed LED</td> <td>1000M: Turn Yellow</td> </tr> <tr> <td>100M: Turn Green</td> </tr> <tr> <td>10M: Lights Off</td> </tr> <tr> <td></td> <td>ACT: Twinkling Yellow</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Only LINK: Lights Off</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Stop: Lights Off</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Pin	Definition	Pin	Definition	1	MDI0_1+	5	MDI2_1-	2	MDI0_1-	6	MDI1_1-	3	MDI1_1+	7	MDI3_1+	4	MDI2_1+	8	MDI3_1-	A	Active LED	B	Speed LED	1000M: Turn Yellow	100M: Turn Green	10M: Lights Off		ACT: Twinkling Yellow					Only LINK: Lights Off					Stop: Lights Off			
Pin	Definition	Pin	Definition																																									
1	MDI0_1+	5	MDI2_1-																																									
2	MDI0_1-	6	MDI1_1-																																									
3	MDI1_1+	7	MDI3_1+																																									
4	MDI2_1+	8	MDI3_1-																																									
A	Active LED	B	Speed LED	1000M: Turn Yellow																																								
				100M: Turn Green																																								
				10M: Lights Off																																								
	ACT: Twinkling Yellow																																											
	Only LINK: Lights Off																																											
	Stop: Lights Off																																											
Wiring Socket (Option)																																												
	Wiring Socket	SMA Antenna Interface																																										

Size

