

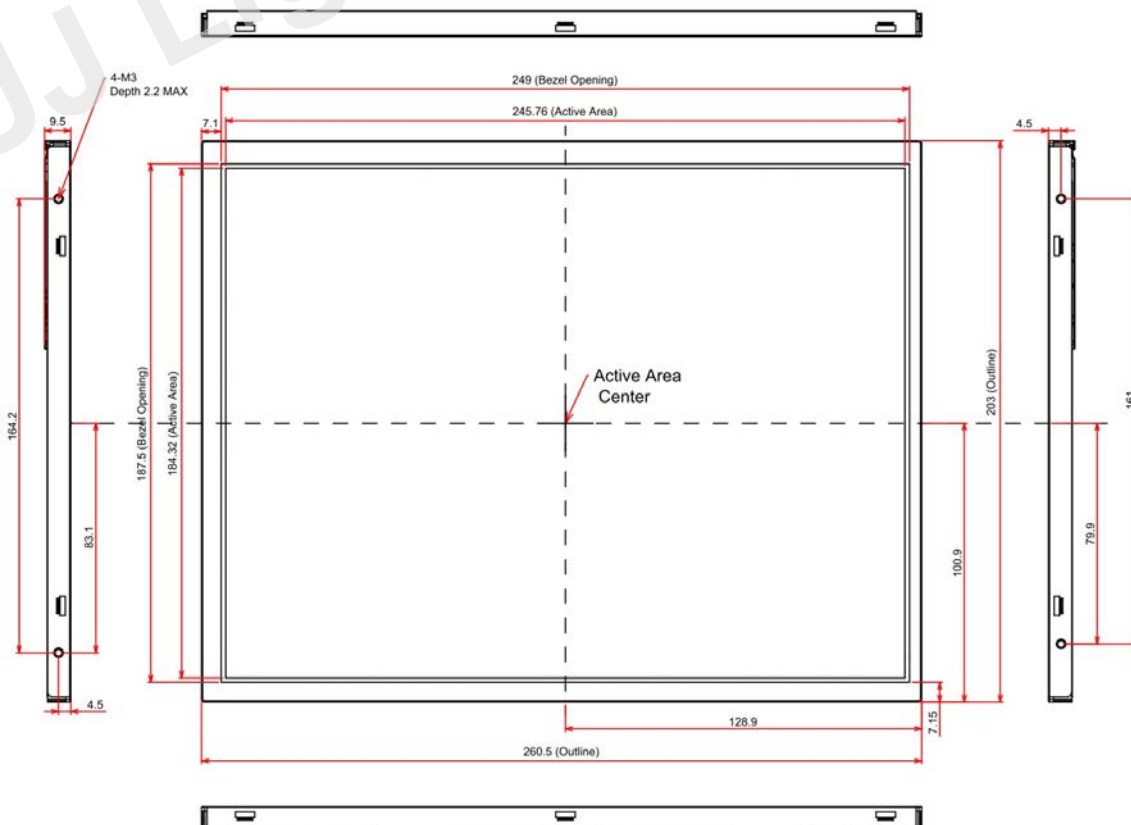
Feature

1. 12.1" TFTLCD Module
2. Resolution:1024*3(RGB)*768
3. Display Type:TFT/Transmissive/Normally Black
4. Interface Type:LVDS
5. Surface Luminance:1000cd/m²
6. Top:-30°C ~80 °C

Mechanical Data

1. Module(WxHxT)(mm):260.5*203*9.5 mm
2. Active Area(mm):245.76*184.32 mm

Dimension



Interface Pin Function

Pin No.	Signal	Function (6 bit mode)		Function (8 bit mode)	
		6 bit input	8 bit input	8 bit input	
1	V _{DD}	Power Supply +3.3V		Power Supply +3.3V	
2	V _{DD}	Power Supply +3.3V		Power Supply +3.3V	
3	V _{SS}	GND		GND	
4	V _{SS}	GND		GND	
5	IN0-	R0~R5, G0	R2~R7, G2	R0~R5, G0	
6	IN0+	R0~R5, G0	R2~R7, G2	R0~R5, G0	
7	V _{SS}	GND		GND	
8	IN1-	G1~G5, B0~B1	G3~G7, B2~B3	G1~G5, B0~B1	
9	IN1+	G1~G5, B0~B1	G3~G7, B2~B3	G1~G5, B0~B1	
10	V _{SS}	GND		GND	
11	IN2-	B2~B5, DE	B4~B7, DE	B2~B5, DE	
12	IN2+	B2~B5, DE	B4~B7, DE	B2~B5, DE	
13	V _{SS}	GND		GND	
14	CLK IN-	Pixel Clock -		Pixel Clock -	
15	CLK IN+	Pixel Clock +		Pixel Clock +	
16	V _{SS}	GND		GND	
17	IN3-	-	R0~R1, G0~G1, B0~B1	R6~R7, G6~G7, B6~B7	
18	IN3+	-	R0~R1, G0~G1, B0~B1	R6~R7, G6~G7, B6~B7	
19	SEL	Data selection (L : JEIDA, H : VESA)			
20	SC	Scan direction control (L : Normal, H : Reverse)			

Electronic Characteristics

Module

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Power Supply Voltage	V _{DD}	-	3.0	3.3	3.6	V
Differential Input Voltage for LVDS Receiver Threshold	V _I	"H" level	-	-	+100	mV
		"L" level	-100	-	-	
Power Supply Current	I _{DD}	V _{DD} -V _{SS} = 3.3V	-	123	179	mA
Frame Frequency	f_{Frame}	-	55	60	65	Hz
CLK Frequency	f_{CLK}	-	51.2	53.8	65	MHz

Backlight

Item	Symbol	Min.	Typ.	Max.	Unit	
Power Supply Input Voltage	V _L	10.8	12	13.2	V	
Power Supply Input Current	I _L	-	TBD	-	mA	
Backlight ON-OFF	High	B _{LEN}	2.5	-	V _L	V
	Low		0	-	0.4	V
LED Lifetime	LT	-	100,000	-	hrs	