

MODEL: JXD-I53TB1Y-2CLE

User's Manual

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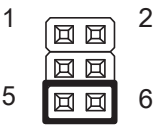
I.Specification

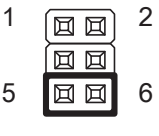
Model	JXD-I53TB1Y-2CLE
CPU	Intel® Core™ 3th I5-3427U Processor
PCH	Intel HM76 Chipset
Memory	1* DDR3L 1333/1600MHz,Up to 8GB
Display	1 * VGA 1* HDMI 1 * Dual Channel 24-bit LVDS 1 * EDP
Storage	1*SATA3.0 Port
Ethernet	1*Realtek RTL8106E (10/100Mbps)
Audio	1*Realtek ALC662+1*3W Amplifier
USB	4*USB3.0 4*USB2.0
COM	2COM/4COM(可选)
Expansion Slot	1*MSATA(SATA 3.0) 1*MINI-PCIE(WIFI+3G/4G)
I/O Connectors	1*DC 1*HDMI 1*VGA 1*USB3.0 1*LAN2 1*USB3.0 1*Mic 1*Line-out
Headers	4*COM Headers 2*USB2.0 Header 1*LVDS 1* EDP 1* LPT 1*F_AUDIO 2*FAN 1*3W Amplifier 1*JVGA 1*JHDMI 1*PS/2
System	WIN7 32/64 Bit WIN10 64 Bit
Temperature	Storage:-20~75°C Operation:-15~60°C
BIOS	AMI BIOS
DC Power	DC 12V
Factor	Mini-ITX(170mm*170mm)



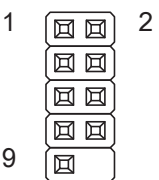
III. Definition of Jumpers /Headers and Connectors

1.JPCOM1/2 (PH=2.00MM)

Graphic	Setting	Function
	1-2	+5V
	3-4	+12V
	5-6	RI# (Default)

Graphic	Function	
	1:+5V	2: COM_PIN9
	3: +12V	4: COM_PIN9
	5: RI#	6: COM_PIN9

2.JCOM1/2/3/4 (PH=2.54MM)

Graphic	Function	
	1:DCD#	2:RXD
	3:TXD	4:DTR#
	5:GND	6:DSR#
	7:RTS#	8:CTS#
	9:COM_PIN9	

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3.LPT (PH=2.54MM)


Graphic		Function	
1		1:STROBE#	2: AUTOFEED#
		3: DATA0	4: ERROR#
		5: DATA1	6: INIT#
		7: DATA2	8: SLCTIN#
		9: DATA3	10: GND
		11: DATA4	12: GND
		13: DATA5	14: GND
		15: DATA6	16: GND
		17: DATA7	18: GND
		19: ACKNLG#	20: GND
		21: BUSY	22: GND
		23: PE	24: GND
		25: SLCT	

4.F_PANEL(PH=2.54MM)


Graphic		Function	
1		1:HDD_LED+	2:PWR_LED+
		3: HDD_LED-	4: GND
		5:GND	6:PWR_SW
		7: RESET	8: GND
		9: GND	

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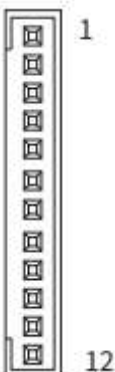
5.PS/2 (PH=2.00MM)

Graphic	Function	
	1:KB_DATA	2:KB_CLK
	3:GND	4: MS_DATA
	5:MS_CLK	6:GND
	7:+5V	


6.CLR_CMOS (PH=2.00MM)

Graphic	Setting	Function
	1-2	Normal (Default)
	2-3	Clear CMOS

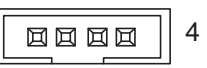
7.JVGA1 (PH=2.00MM)

Graphic	Function	
	1:GND	2:VSYNC
	3:HSYNC	4: GND
	5:RED	6:GND
	7:GREEN	8:GND
	9:BLUE	10:GND
	11:DDC_DATA	12:DDC_CLK

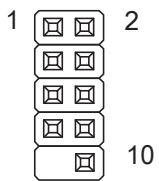
8.AUTO_ON (PH=2.00MM)

Graphic	Setting	Function
	1-2	AUTO-OFF (Default)
	2-3	AUTO-ON

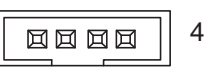
9.SATA_PWR1 (PH=2.00MM)

Graphic	Function	
	1:+12V	2:GND
	3:GND	4: +5V

10.F_USB1/2 (PH=2.54MM)

Graphic	Function	
	1:+5V	2:+5V
	3:USB1-	4: USB2-
	5:USB1+	6:USB2+
	7:GND	8:GND
		10: GND

11.SPEAKER (PH=2.00MM)

Graphic	Function	
	1:R+	2: R-
	3: L-	4: L+

12.F_AUDIO (PH=2.54MM)

Graphic		Function		
	1	2	10	
			1:MIC_IN_L	2:GND
			3: MIC_IN_R	4: +3.3V
			5:AUD_OUT_R	6:MIC_IN_DET
			7:GND	
		9: AUD_OUT_L	10: AUD_OUT_DET	

13.LVDS_PWR (PH=2.00MM)

Graphic		Function		
	1	2	6	
			1:+3.3V	2:VDD
			3:+5V	4: VDD
		5:+12V	6:VDD	

Graphic		Setting	Function
	1	2	6
		1-2	+3.3V (Default)
		3-4	+5V
	5-6	+12V	

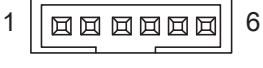
14.EDP_PWR (PH=2.00MM)

Graphic		Function	
	1	2	4
			1:+3.3V
		3:+5V	4: VDD_EDP

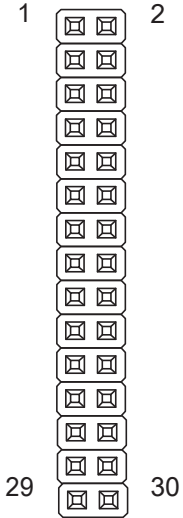
Graphic		Setting	Function
	1	2	4
		1-2	+3.3V (Default)
	3-4	+5V	

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15.INVERT (PH=2.00MM)

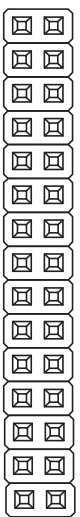
Graphic	Function	
		1:+12V
3: BL_EN		4:BL_CTL
5:GND		6:GND

16.LVDS (PH=2.00MM)


Graphic	Function	
		1:VDD
3: VDD		4: GND
5:LVDS_DET		6: LVDS_DET
7:A_DATA0-		8:A_DATA0+
9: A_DATA1-		10: A_DATA1+
11: A_DATA2-		12: A_DATA2+
13: GND		14: GND
15: A_CLK-		16: A_CLK+
17:A_DATA3-		18: A_DATA3+
19:B_DATA0-		20: B_DATA0+
21:B_DATA1-		22: B_DATA1+
23:B_DATA2-		24: B_DATA2+
25: GND		26: GND
27: B_CLK-		28: B_CLK+
29: B_DATA3-		30: B_DATA3+

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17.EDP1 (PH=2.00MM)


Graphic		Function	
<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 5px;">1</div>  <div style="margin-left: 5px;">2</div> </div>	1:VDD_EDP	2: VDD_EDP	
	3:GND	4: GND	
	5: EDP0+	6: EDP0-	
	7:GND	8: GND	
	9: EDP1+	10: EDP1-	
	11: GND	12:GND	
	13: EDP2+	14:EDP2-	
	15: GND	16:GND	
	17: EDP3+	18:EDP3-	
	19:GND	20:GND	
	21: AUX+	22:AUX-	
	23:GND	24: EDP_HPD	
	25: BKLT_CTL	26: BKLT_EN	
	27:GND	28:GND	
	29:+12V	30:+12V	

18. CFAN1 (PH=2.54MM)


Graphic	Function	
	1:GND	2: V_FAN
	3: SPEED	

NOTE:CFAN1 Support Smart FAN Function.

19.SFAN1 (PH=2.54MM)

Graphic	Function	
	1:GND	2: +12V
	3: SPEED	

20.JHDMI (PH=2.00MM)

Graphic	Function	
	1:HDMI_2P	2: HDMI_1P
	3:HDMI_2N	4: HDMI_1N
	5: GND	6: GND
	7: HDMI_0P	8: HDMI_CLK_P
	9: HDMI_0N	10: HDMI_CLK_N
	11: GND	12: HDMI_+5V
	13: HDMI_SCL	14: HDMI_+5V
	15: HDMI_SDA	16: HDMI_HPD