

MODEL:IPC-BYT1+4

User's Manual

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I.Specification

Model	IPC-BYT1+4
CPU	Intel® Bay Trail J1800/J1900 Processor
Memory	1*DDR3L 1333MHz,Up to 8GB
Display	1 * VGA : max resolution up to 1920x1200@60Hz 1 * Dual Channel 24-bit LVDS / EDP1 1*HDMI/EDP2
Storage	1*SATA2.0 Port
Ethernet	2*Realtek RTL8111H (10/100/1000Mbps)
Audio	1*Realtek ALC662+1*3W Amplifier
USB	1*USB3.0 7*USB2.0
COM	6*COM
Expansion Slot	1*MSATA(SATA 2.0) 1*MINI-PCIE(WIFI/4G)
I/O Connectors	1*DC 1*VGA 1*HDMI 1*LAN1 or 1*USB2.0*2 (二选一) 1*LAN2 1*USB3.0*+USB2.0 1*Line-out
Headers	6*COM Headers 3*USB2.0 Header 1*LVDS 1* EDP1 1* EDP2 1*LPT 1*F_AUDIO1 1*FAN 1*3W Amplifier
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(146mm*102mm)



III. Definition of Jumpers /Headers and Connectors

1.JPCOM1/2 (PH=2.00MM)

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

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

2.JCOM1/2/3/4/5/6 (PH=2.00MM)

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

3.LPT (PH=2.00MM)

Graphic		Function	
1 2		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_PANEL1(PH=2.54MM)

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

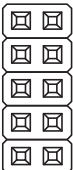
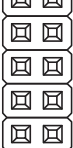
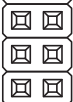
5.J4 (PH=2.00MM)

Graphic	Setting	Function
1  2	1-2	COM3_RS232 (Default)
3  4	3-4	COM3_RS485

6.J485 (PH=2.00MM)

Graphic	Function	
1  2	1:+5V	2:GND
3  4	3:RS485-	4:RS485+

7.GPIO (PH=2.00MM)

Graphic	Function	
1  2	1:GND	2:+5V
3  4	3: GPI1	4: GPO1
5  6	5: GPI2	6: GPO2
7  8	7: GPI3	8: GPO3
9  10	9: GPI4	10: GPO4

8.CLR_CMOS (PH=2.00MM)

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

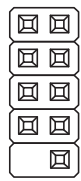
9. AUTO-ON (PH=2.00MM)

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

10.SATA_PWR (PH=2.00MM)

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

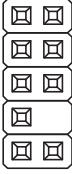
11.F_USB1/2/3/4 (PH=2.54MM)

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

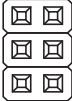
12.SPEAKER (PH=2.00MM)

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

13.F_AUDIO1 (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

14.PWR_LVDS (PH=2.00MM)

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

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

PWR_LVDS (PH=2.00MM)

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

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

NOTE :

LVDS_PWR 2*2 Pin For EDP1;

LVDS_PWR 2*3 Pin For LVDS.

15.INVERT (PH=2.00MM)

Graphic	Function	
	1:+12V	2: +12V
	3: BL_EN	4: BL_CTL
1  6	5:GND	6:GND

16.LVDS (PH=2.00MM)

Graphic	Function	
	1:VDD	2: 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+

17.EDP1/EDP2 (PH=2.00MM)

Graphic		Function	
1 2		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_HPDP
		25: BKLT_CTL	26: BKLT_EN
		27:GND	28:GND
		29: +12V	30: +12V

18. CPU_FAN (PH=2.54MM)

Graphic	Function	
1  3	1:GND	2: V_FAN
	3: SPEED	

NOTE:CPU_FAN Support Smart FAN Function.