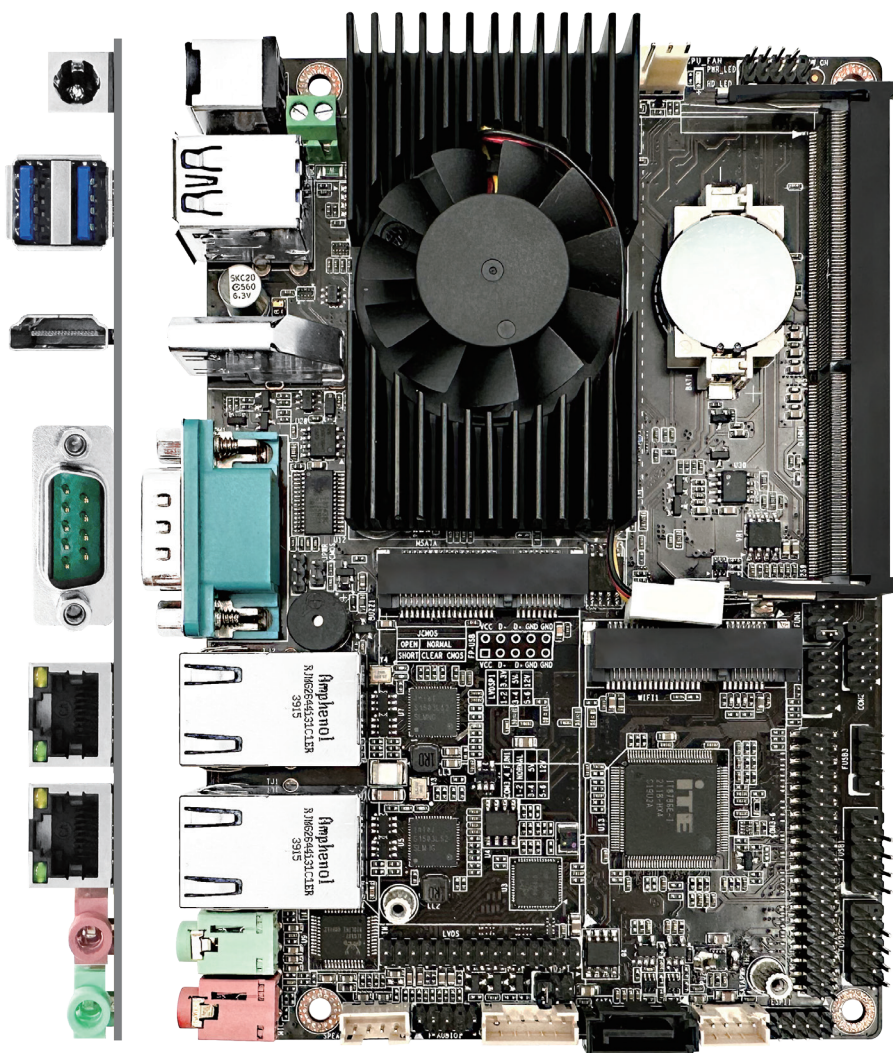


JPL35AV10 Mainboard

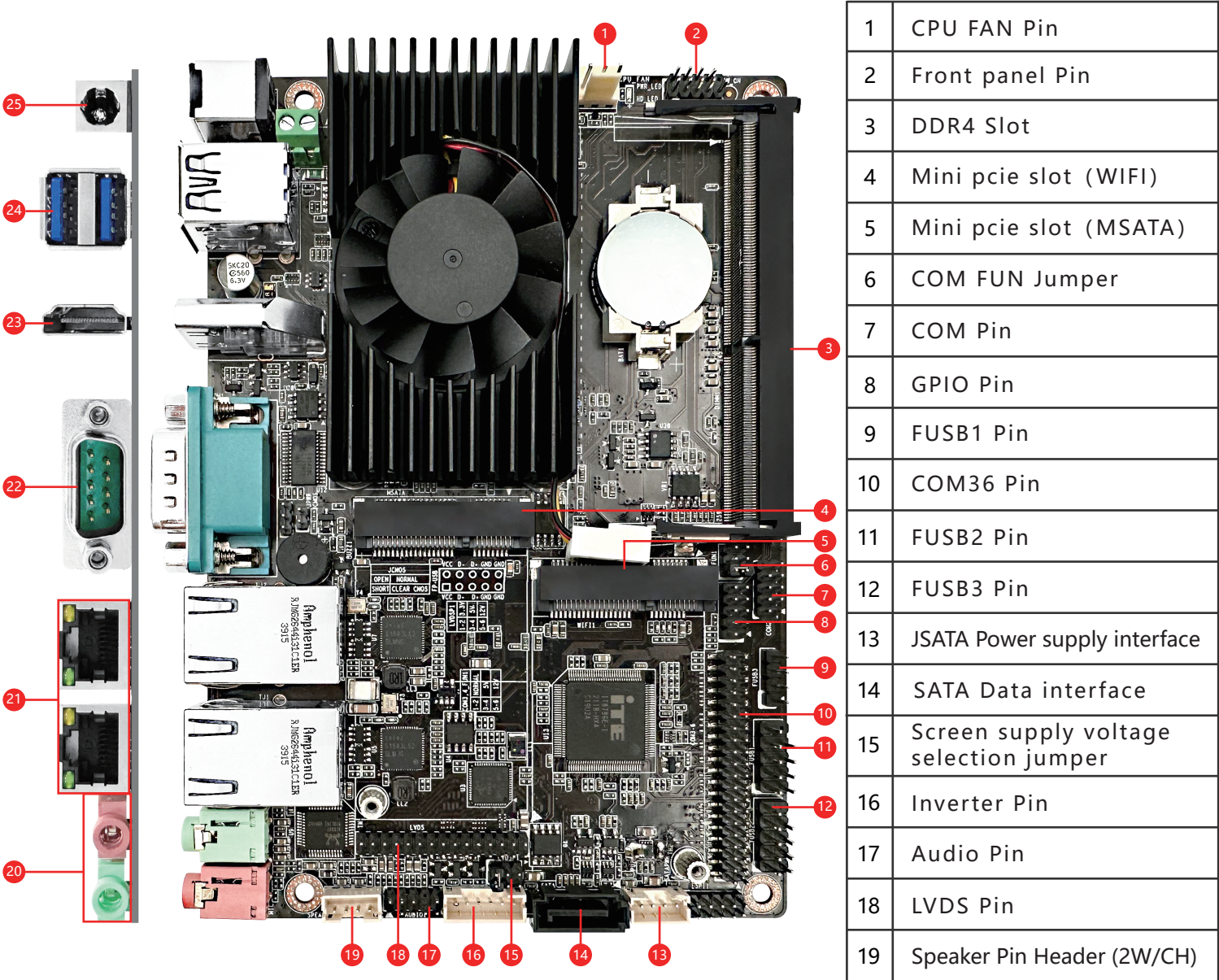
Product characteristics:

- Intel® Jasper lake N5105
- Support 2*LAN(Intel I225; 2.5Gbps/ 1Gbps/100Mbps Ethernet Controller)
- Support 1*EDP/1*LVDS/1*HDMI Displays the output
- Support 7*USB(2*USB3.0 interface/ 5*USB2.0 Pin)

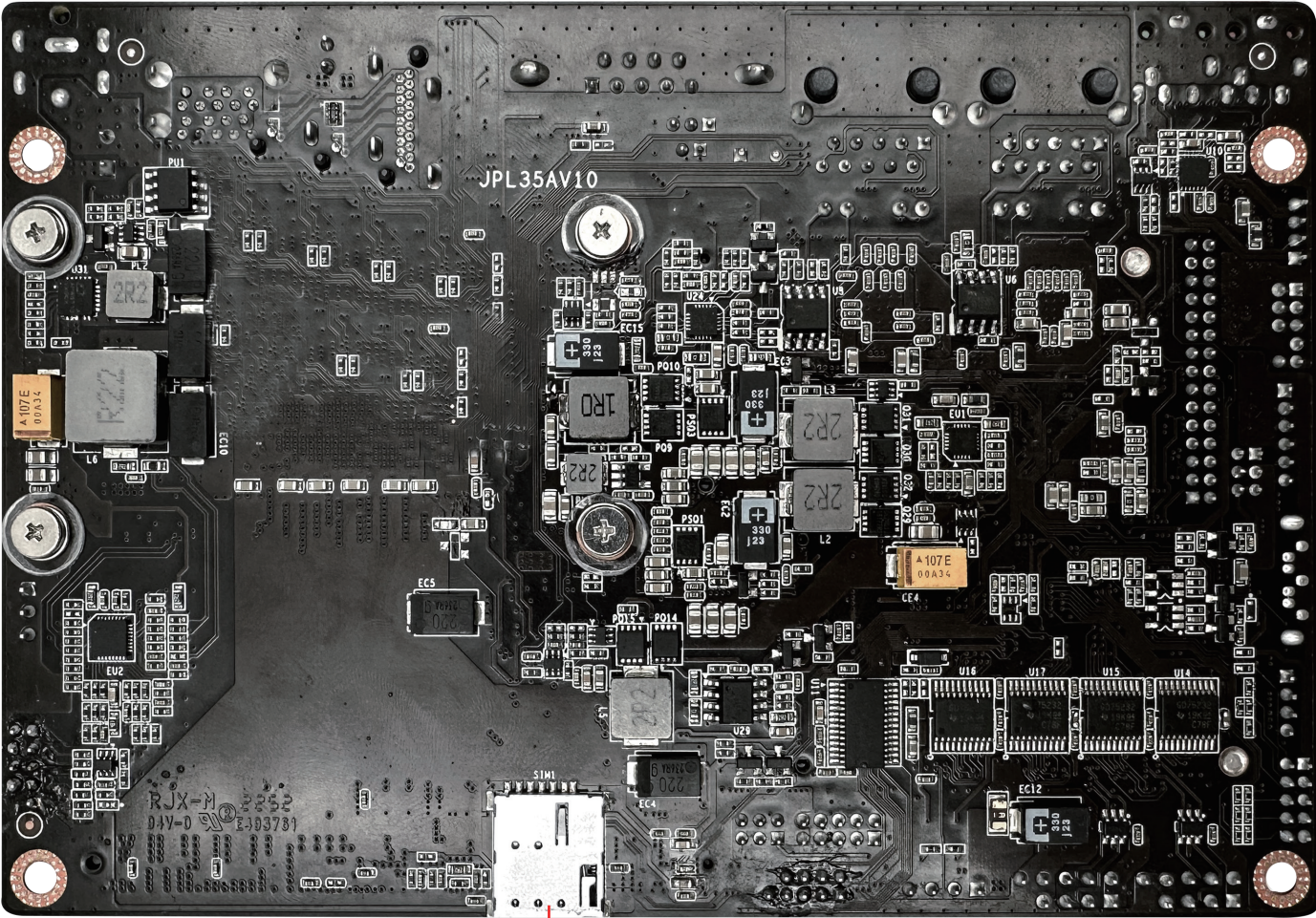


JPL35AV10 Motherboard Specifications

Size	148mm*102mm
CPU	Intel [®] Jasper lake N5105
RAM	Support 1*DDR4 2933MHz, Maximum support 16GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 1*CPU FAN Pin 1*COM FUN Jumper 1*COM Pin 1*GPIO Pin 3*FUSB2.0 Pin (Support 5*USB2.0 interface) 1*COM Pin 1*COM36 Pin 1*JSATA Power supply interface 1*SATA Data interface 1*Screen supply voltage selection jumper 1*Inverter Pin 1*AUDIO Pin 1*LVDS Pin 1*Speaker Pin Header (2W/CH)
Rear I/O	1*DC 12V interface 2*USB3.0 interface 1*HDMI interface 1*COM interface 2*LAN interface 2*AUDIO interface (1*LINE OUT、1*MIC)
LAN	2*Intel I225 2.5Gbps/ 1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	1*Mini Pcie slot (WIFI) / 1*Mini Pcie slot (MSATA)
Operating System	Windows 10/11; Linux



20	AUDIO interface (1*LINE OUT、1*MIC)	23	HDMI interface
21	LAN interface	24	USB3.0 interface
22	COM interface	25	DC 12V interface



26	SIM card slot
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JPL35AV10 Mainboard Definition

(1) CPU_FAN Pin

Location	Pin	Definition
CPU_FAN1	1	GND
	2	+12V
	3	FAN_TAC
	4	FAN_CTL

(2) Front panel Pin

Location	Pin	Definition	Pin	Definition
FP1 (2mm)	1	3.3V	2	Power LED
	3	Hard Disk Drive LED	4	GND
	5	Reset Switch	6	Power Switch
	7	GND	8	GND
	9	NC		

(6) COM FUN Jumper

Location	Pin	Definition	Pin	Definition	NOTE
FUN1 (2mm)	1	5RI	2	5RI-	此插针的功能为COM36供电选择,默认为不供电即跳帽置(1-2)
	3	5RI	4	5V_RUN	
	5	5RI	6	12V_RUN	

(7/10) COM Pin

Location	Pin	Definition	Pin	Definition
COM2 (2mm)	1	2DCD	2	2SIN
	3	2SOUT	4	2DTR
	5	GND	6	2DSR
	7	2RTS	8	2CTS
	9	2RI		

Location	Pin	Definition	Pin	Definition
COM36 (2mm)	1	3DCD	2	3SIN
	3	3SOUT	4	3DTR
	5	GND	6	3DSR
	7	3RTS	8	3CTS
	9	3RI	10	NC
	11	4DCD	12	4SIN
	13	4SOUT	14	4DTR
	15	GND	16	4DSR
	17	4RTS	18	4CTS
	19	4RI	20	NC
	21	5DCD	22	5SIN
	23	5SOUT	24	5DTR
	25	GND	26	5DSR
	27	5RTS	28	5CTS
	29	5RI	30	NC
	31	6DCD	32	6SIN
	33	6SOUT	34	6DTR
	35	GND	36	6DSR
	37	6RTS	38	6CTS
	39	6RI	40	NC

(8) GPIO Pin

Location	Pin	Definition	Pin	Definition
GPIO (2mm)	1	GP23_IO	2	3V_RUN
	3	GP30_IO	4	5V_RUN
	5	GND	6	12V_RUN

(9/11/12) FUSB Pin

Location	Pin	Definition	Pin	Definition
FUSB1 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	USB_PN4	4	USB_PN5
	5	USB_PP4	6	USB_PP5
	7	GND	8	GND
	9	NC	10	GND

Location	Pin	Definition
FUSB2 (2.54mm)	1	5V_RUN
	2	FDM7
	3	FDP7
	4	GND

Location	Pin	Definition	Pin	Definition
FUSB3 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM1	4	FDM2
	5	FDP1	6	FDP2
	7	GND	8	GND
	9	NC	10	GND

(18) LVDS Pin

Location	Pin	Definition	Pin	Definition
LVDS (2mm)	1	VCC	2	VCC
	3	VCC	4	GND
	5	GND	6	HPD
	7	LVDS_TXN0/EDP_TXN0	8	LVDS_TXP0/EDP_TXP0
	9	LVDS_TXN1/EDP_TXN1	10	LVDS_TXP1/EDP_TXP1
	11	LVDS_TXN2	12	LVDS_TXP2
	13	GND	14	GND
	15	LVDS_CLKN/EDP_AUXN	16	LVDS_CLKP/EDP_AUXP
	17	LVDS_TXN3	18	LVDS_TXP3
	19	LVDS1_TXN0	20	LVDS1_TXP0
	21	LVDS1_TXN1	22	LVDS1_TXP1
	23	LVDS1_TXN2	24	LVDS1_TXP2
	25	GND	26	GND
	27	LVDS1_CLKN	28	LVDS1_CLKP
	29	LVDS1_TXN3	30	LVDS1_TXP3