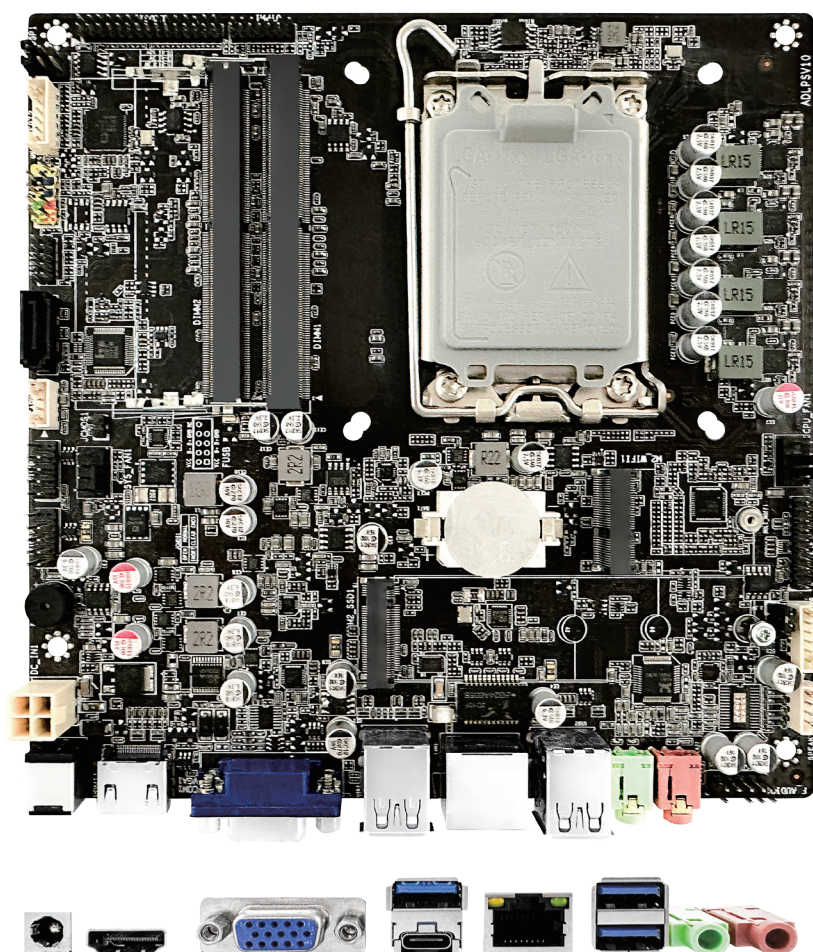


ADLPSV10 Motherboard

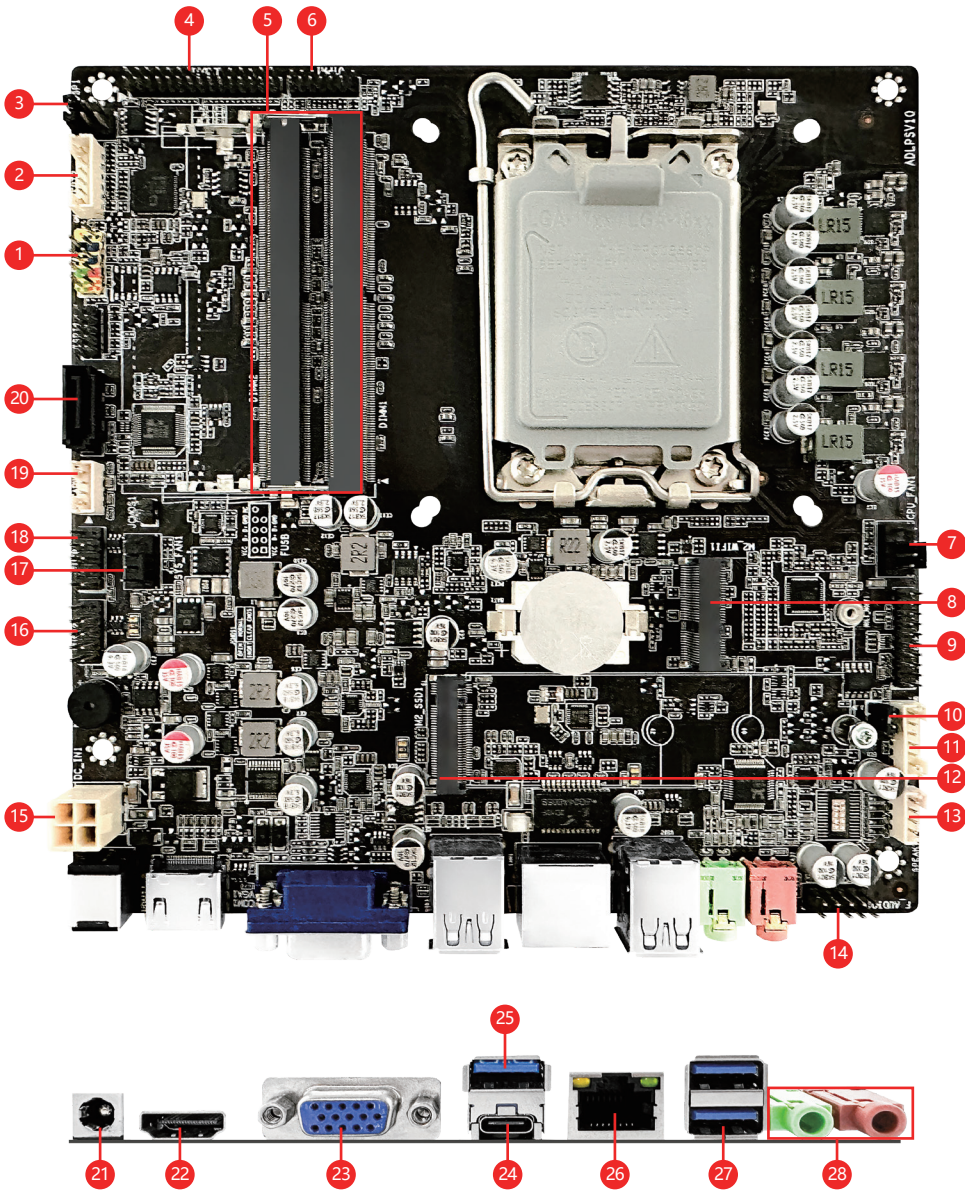
Product characteristics:

- 12Generation Intel® Core™ i3/i5/i7/i9 CPU
- Support 8*USB (3*USB3.0 interface/ 4*USB2.0 Pin/1*TYPE-C interface)
- Support 1*EDP/1*HDMI/1*VGA/1*LVSD Displays the output
- Support 1*LAN (Realtek 8111, 1Gbps/ 100Mbps/10Mbps Ethernet Controller)



ADLPSV10 Motherboard Specifications

Size	170mm*170mm
CPU	12Generation Intel® Core™ i3/i5/i7/i9 CPU
RAM	Support 2*SO-DIMM DDR4 Maximum support 128GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 2*INVERT2 Pin 1*LVDS Pin Jumper 1*LVDS Pin 1*JTPM Pin 1*CPU_FAN Pin 1*EDP Pin 1*UEVDD1 Jumper 1*SPEAKTPin 1*AUDIO Pin 1*4Pin power outlet 2*FUSB Pin (Support 4*USB2.0 interface) 1*SYS_FAN Pin 1*JSATA Power supply interface 1*SATA Data interface
Rear I/O	1*DC 19V interface 1*HDMI Output interface 1*VGA interface 3*USB3.0 interface 1*TYPE-C interface 1*LAN interface 2*AUDIO interface (1*LINE OUT、1*MIC)
LAN	1*Realtek 8111, 1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	1*M.2 WIFI Slot/ 1*M.2 SSD Slot
Operating System	Windows10/11, Linux



1	Front panel Pin
2	INVERT2 Pin
3	LVDSP Jumper
4	LVDS Pin
5	DDR4 Slot
6	JTPM Pin
7	CPU_FAN Pin
8	M.2 WIFI Slot
9	EDP Pin
10	UEVDD1 Jumper
11	INVERT1 Pin
12	M.2 SSD Slot
13	SPEAKT Pin
14	AUDIO Pin
15	4Pin power outlet
16	FUSB2 Pin
17	SYS_FAN Pin
18	FUSB1 Pin
19	JSATA Power supply interface
20	SATA Data interface

21	DC 19V interface	25	USB3.0 interface
22	HDMI Output interface	26	LAN interface
23	VGA interface	27	USB3.0 interface
24	TYPE-C interface	28	AUDIO interface (1*LINE OUT、1*MIC)

ADLPSV10 Mainboard Definition

(1) Front panel Pin

Location	Pin	Definition	Pin	Definition
FP1 (2.54mm)	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		

(3) LVDS1 Jumper

Location	Pin	Definition	Pin	Definition
LVDS1 (2mm)	1	3.3V_RUN	2	LVDS1_POWER
	3	5V_RUN	4	LVDS1_POWER
	5	12V_RUN	6	LVDS1_POWER

(4) LVDS Pin

Location	Pin	Definition	Pin	Definition
LVDS1 (2mm)	1	VDDLVD	2	VDDLVD
	3	VDDLVD	4	GND
	5	GND	6	LVDS_DP
	7	LVDS_DATA_0N	8	LVDS_DATA_0P
	9	LVDS_DATA_1N	10	LVDS_DATA_1P
	11	LVDS_DATA_2N	12	LVDS_DATA_2P
	13	GND	14	GND
	15	LVDS_CLKN	16	LVDS_CLKP
	17	LVDS_DATA_3N	18	LVDS_DATA_3P
	19	LVDS1_DATA_0N	20	LVDS1_DATA_0P
	21	LVDS1_DATA_1N	22	LVDS1_DATA_1P
	23	LVDS1_DATA_2N	24	LVDS1_DATA_2P
	25	GND	26	GND
	27	LVDS1_CLKN	28	LVDS1_CLKP
	29	LVDS1_DATA_3N	30	LVDS1_DATA_3P

(7) CPU_FAN Pin

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

(17) SYS_FAN Pin

Location	Pin	Definition
SYS_FAN	1	GND
	2	+12V
	3	FAN_TAC22
	4	FAN_CTL22

(9) EDP Pin

Location	Pin	Definition	Pin	Definition
EDP1 (2mm)	1	EDP_VDD	2	EDP_VDD
	3	NC	4	
	5	GND	6	HPDET_EDP1
	7	EDP0N	8	EDP0P
	9	EDP1N	10	EDP1P
	11	NC	12	NC
	13	GND	14	GND
	15	EAUXN	16	EAUXP
	17	NC	18	NC
	19	NC	20	NC

(11) INVERT Pin

Location	Pin	Definition
INVERT_EDP_1	1	GND
	2	GND
	3	BL_ADJ
	4	BKLT-EN
	5	+12V
	6	+12V

(13) SPEAKT Pin

Location	Pin	Definition
SPEAKT	1	SPKOUT_L-
	2	SPKOUT_L+
	3	SPKOUT_R-
	4	SPKOUT_R+

(16/18) 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