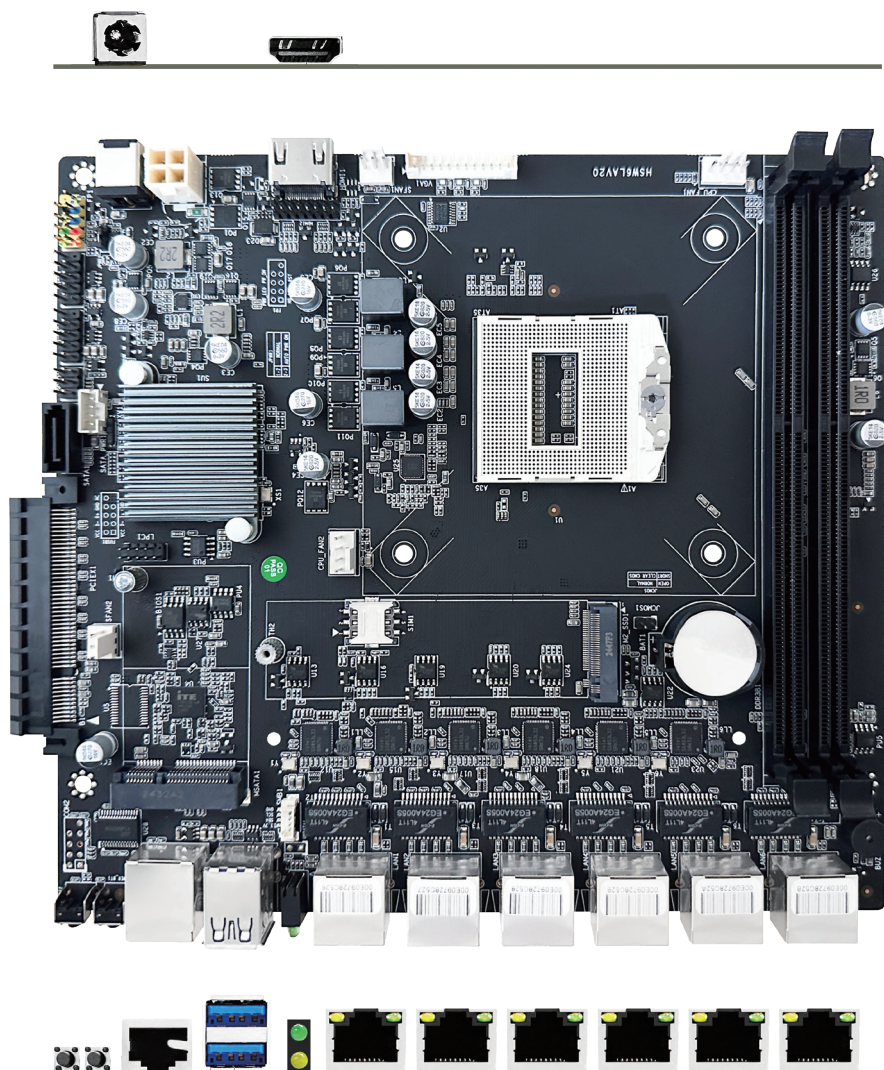


HSW6LAV20 Mainboard

Product characteristics:

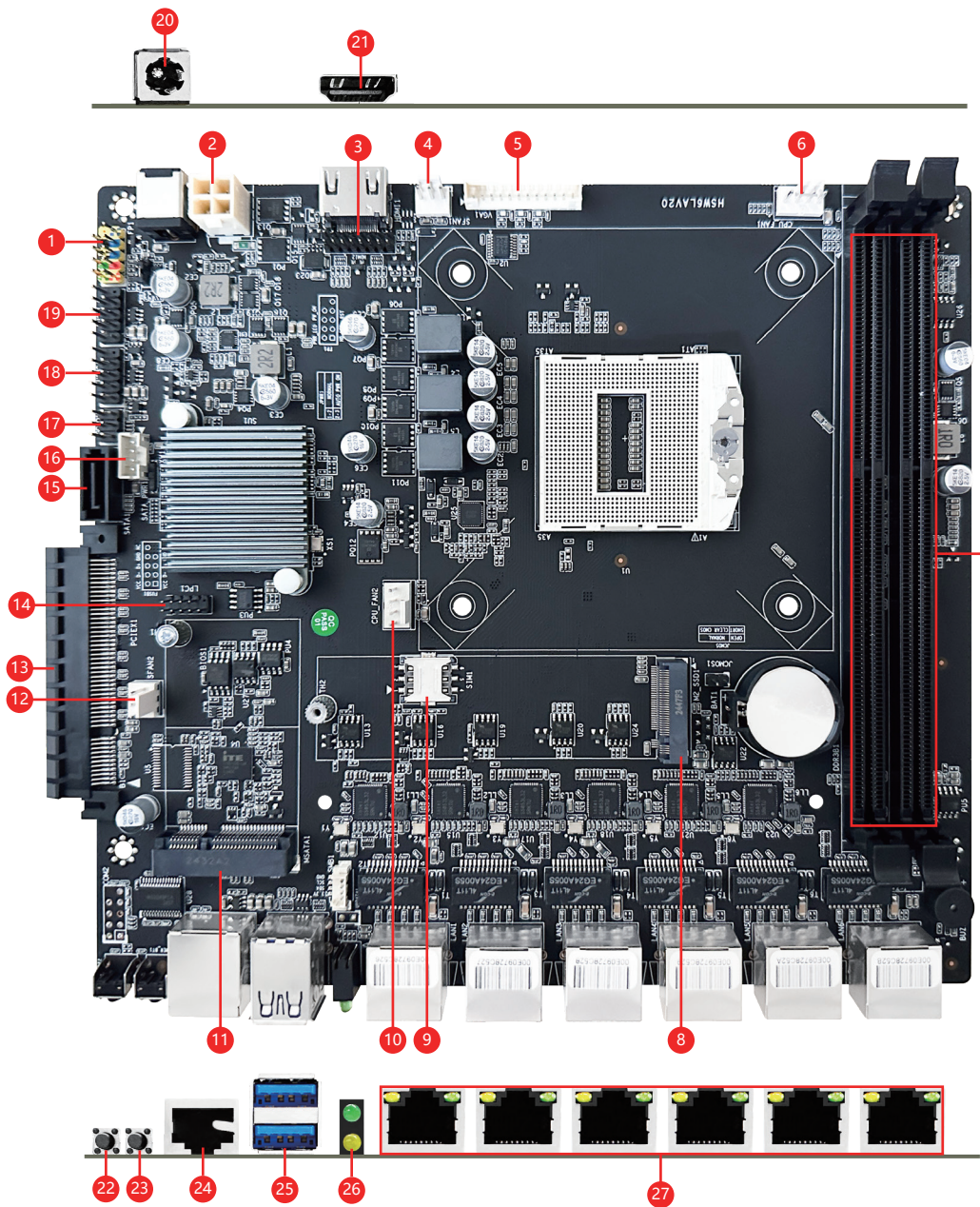
- 4th Gen Intel® Core™ i3/i5/i7 processors
- Support 6*USB(2*USB3.0 interface/ 4*USB2.0 Pin)
- Support 6*LAN(Intel I226-V, 2.5Gbps/ 1Gbps/100Mbps Ethernet Controller)



HSW6LAV20 Motherboard Specifications

Size	200mm*180mm
CPU	4th Gen Intel® Core™ i3/i5/i7 processors
RAM	Support 2*DDR3L-1333/1600Mhz, Maximum support 32GB
BIOS	AMIBIOS 64Mbit Flash
Internal I/O	1*Front panel Pin 1*4Pin Power outlet 1*HDMI Pin 2*SFAN Pin(1-2) 1*VGA1 Pin 2*CPU_FAN Pin(1-2) 1*GPIO Pin 1*SIM Card slot 1*LPC1 Pin 1*SATA Data interface 1*JSATA Power supply interface 2*FUSB1-2 Pin(Support 4*USB2.0 interface)
Rear I/O	1*DC 12V interface 1*HDMI interface 1*TJ45COM1 interface 2*USB3.0 interface 6*LAN interface
LAN	6*Intel I226-V 2.5Gbps/1Gbps/100Mbps Ethernet Controller
Expansion slot	1*M.2 SSD slot / 1*MINI PCIE slot(MSATA/4G) / 1*PCIE X1 slot
StatusDisplay TM	It can be equipped with a small screen display module to display the CPU temperature and CPU fan speed in real time
Operating System	Windows10/11, Linux

PRODUCT SPECIFICATIONS



1	Front panel Pin
2	4Pin Power outlet
3	HDMI Pin
4	SFAN1 Pin
5	VGA1 Pin
6	CPU_FAN1 Pin
7	DDR3 slot
8	M.2 SSD slot
9	SIM Card slot
10	CPU_FAN2 Pin
11	MINI PCIE slot(MSATA/4G)
12	SFAN2 Pin
13	PCIE X1 slot
14	LPC1 Pin
15	SATA Data interface
16	JSATA Power supply interface
17	GPIO Pin
18	FUSB2 Pin
19	FUSB1 Pin

20	DC 12V interface	24	TJ45COM1 interface
21	HDMI interface	25	USB3.0 interface
22	Restart button	26	LED Light
23	Switch buttons	27	LAN interface

HSW6LAV20 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) HDMI Pin

Location	Pin	Definition	Pin	Definition
HDMI (2mm)	1	DDI1_TXP0	2	HDMIC_SCL
	3	DDI1_TXN0	4	HDMIC_SDA
	5	DDI1_TXP1	6	NC
	7	DDI1_TXN1	8	HDMIC_HPD_SINK
	9	DDI1_TXP2	10	DDC_5V
	11	DDI1_TXN2	12	GND
	13	DDI1_TXP3	14	GND
	15	DDI1_TXN3	16	GND

(4/12) SYS_FAN Pin

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

(6/10) CPU_FAN Pin

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

PRODUCT SPECIFICATIONS

(12) LPC Pin

Location	Pin	Definition	Pin	Definition
LPC	1	VDD_33_RUN	2	LPC_HDR_RST_L
	3	P0_LPC_CLK0	4	P0_LPC_LAD0
	5	P0_LPC_FRAME_L	6	P0_LPC_LAD1
	7	P0_LPC_LAD3	8	P0_LPC_LAD2
	9	GND	10	

(17) GPIO Pin

Location	Pin	Definition	Pin	Definition
GPIO (2mm)	1	+V3.3S	2	
	3	PCH_GPIO2	4	PCH_GPIO3
	5	PCH_GPIO4	6	PCH_GPIO5

(18/19) 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	Pin	Definition
FUSB2 (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