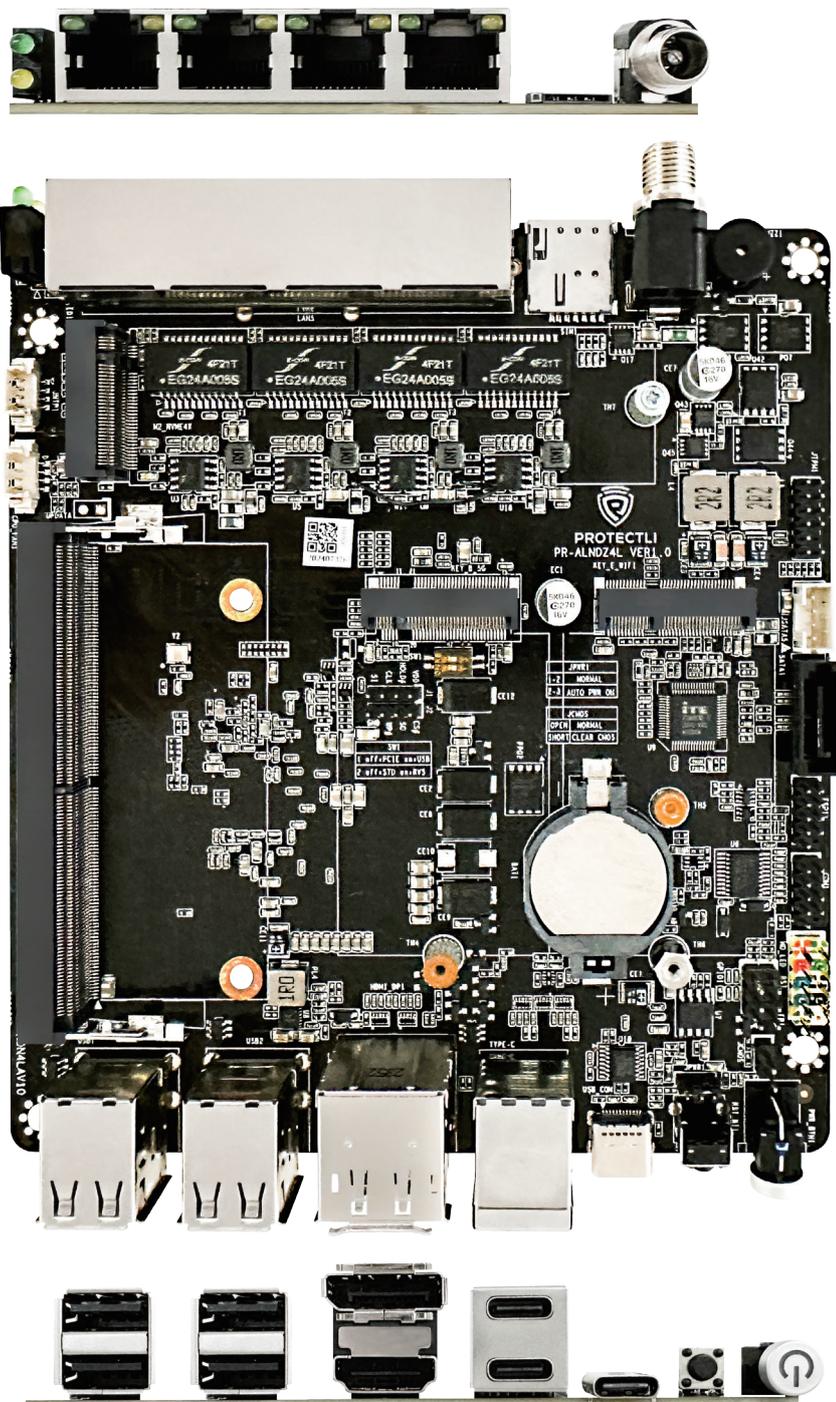# ADN4LAV10 Mainboard
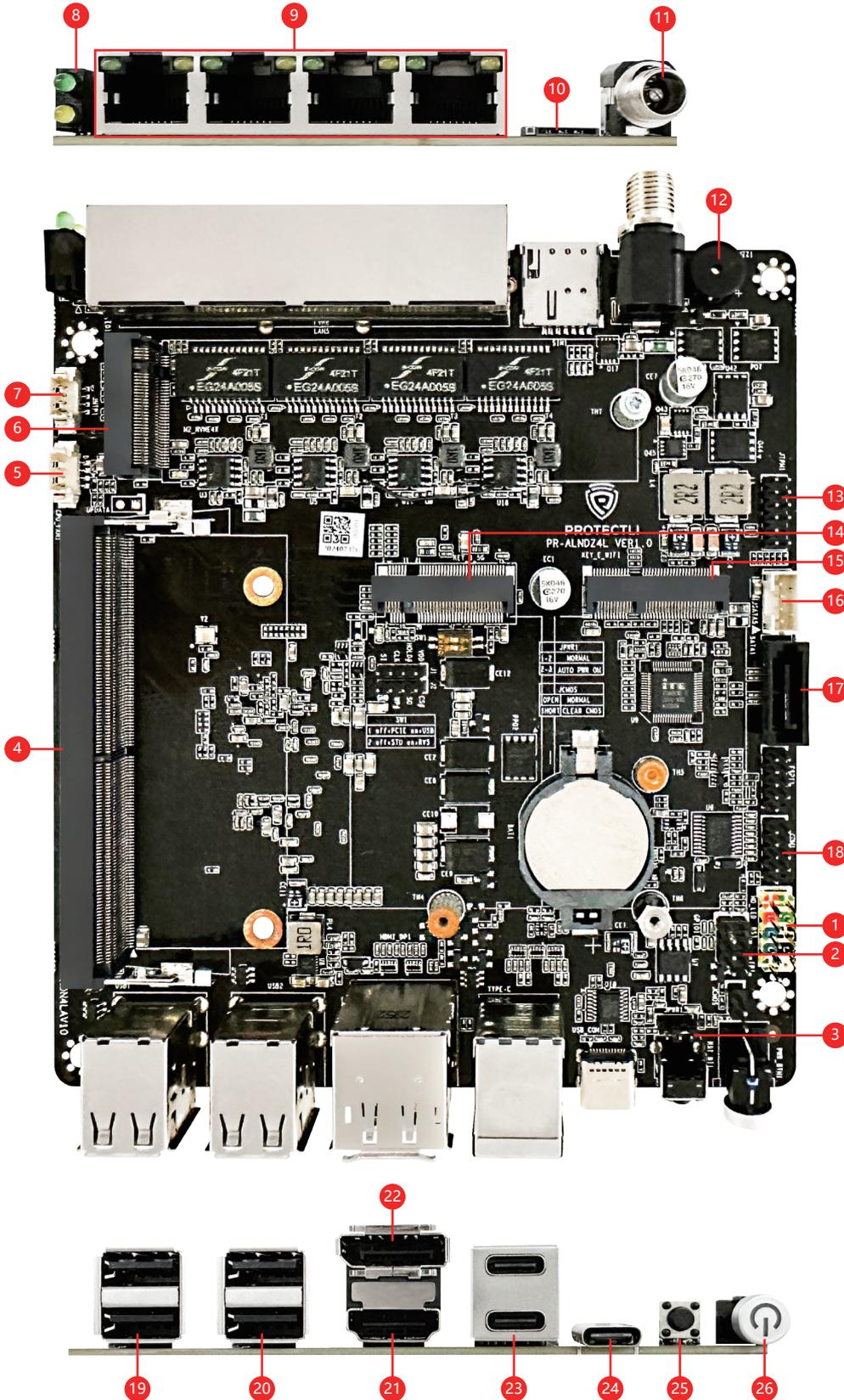
Product characteristics:

- Intel®N100 CPU

- Support 6*USB(4*USB2.0 interface/
  2*TYPE-C interface)

- Support 4*LAN(Intel I226-V,2.5Gbps/1Gbps/
  100Mbps/10Mbps Ethernet Controller)

ADN4LAV10 Motherboard Specifications

Size	121mm*136mm
CPU	Intel$^®$N100 CPU
RAM	Support 1*DDR5 4800MHZ Max support 16GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 1*GPIO Pin 1*JPWR Jumper 1*CPU_FAN Pin 1*JNTP Pin 1*JTPM Pin 1*JSATA Power supply interface 1*SATA Data interface 1*COM1 Pin
Rear I/O	4*LAN interface 1*SIM Card slots 1*DC 12V interface 4*USB2.0 interface 1*HDMI interface 1*DP interface 2*TYPE-C interface 1*USB_COM interface
LAN	4*Intel I226-V,2.5Gbps/1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	1*M.2 NVME 2X Slot / 1*KEY_B_5G Slot / 1*KEY_E_WIFI Slot(PCIE/USB/CNVI)
Operating System	Windows; Linux; ikuai

1	Front panel Pin
2	GPIO Pin
3	JPWR Jumper
4	DDR5 Memory slots
5	CPU_FAN Pin
6	M.2 NVME 4X Slot
7	JNTP Pin
8	PWR_HDD_LED light
9	LAN interface
10	SIM Card slots
11	DC 12V interface
12	buzzer
13	JTPM Pin
14	KEY_B_5G Slot
15	KEY_E_WIFI Slot
16	JSATA Power supply interface
17	SATA Data interface
18	COM1 Pin
19	USB2.0 interface
20	USB2.0 interface
21	HDMI interface
22	DP interface
23	TYPE-C interface
24	USB_COM interface
25	RST_BT button
26	PWR_BTN switch

ADN4LAV10 Mainboard Definition

(1) Front panel Pin

Location	Pin	Definition	Pin	Definition
FP1 (2.00mm)	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		

(2) GPIO Pin

Location	Pin	Definition	Pin	Definition
GPIO (2mm)	1	+V5S	2	GND
	3	GP56	4	GP57
	5	GP60	6	GP61

(3) JPWR Jumper

JPWR	
1-2	NORMAL
2-3	AUTO ON

(5) CPU_FAN Pin

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

(13) JTPM Pin

Location	Pin	Definition	Pin	Definition
JTPM	1	VDD	2	TPM_CS
	3	SPI_MISO	4	SPI_MOSI
	5	NC	6	SPI_CLK
	7	GND	8	SPI_REST
	9	NC		
	11	NC	12	TPM_PIRQ

(18) COM Pin

Location	Pin	Definition	Pin	Definition
COM1 (2.00mm)	1	NDCDA	2	NSINA
	3	NSOUTA	4	NDTRA
	5	GND	6	NDSRA
	7	NRTSA	8	NCTSA
	9	NRIA		