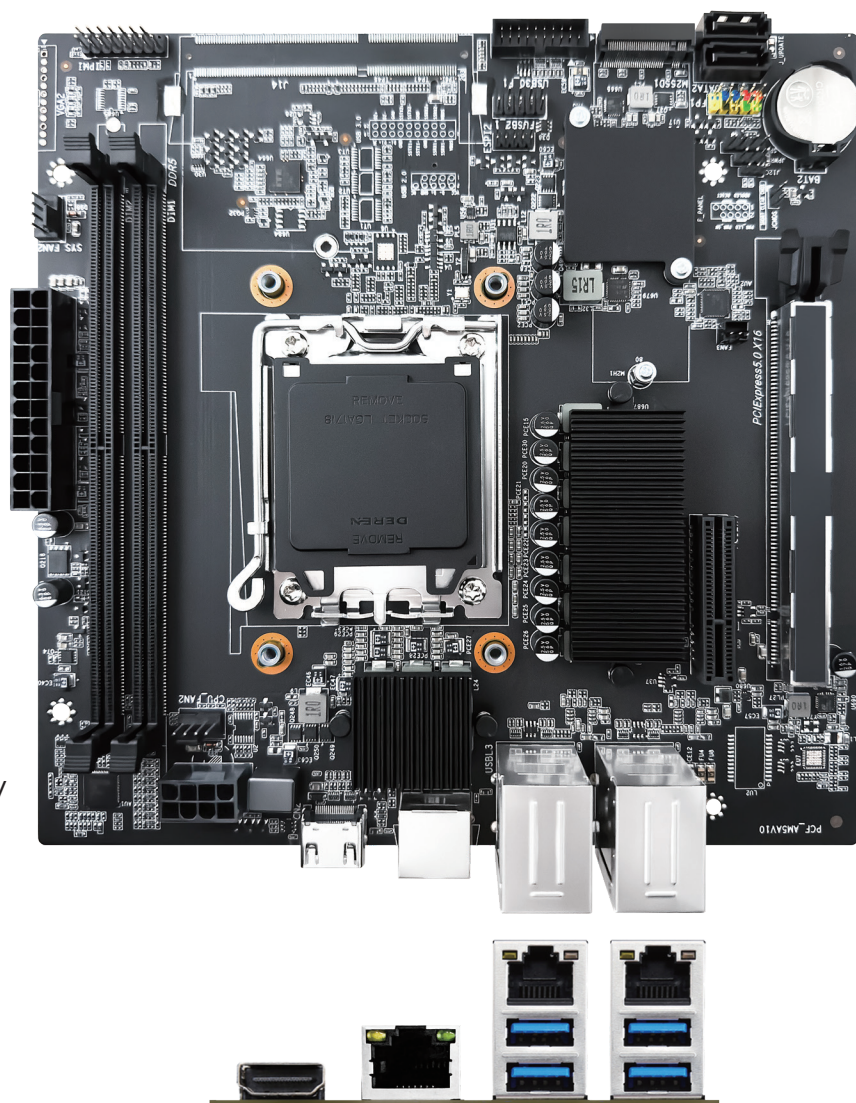


PCF_AM5AV10 Motherboard

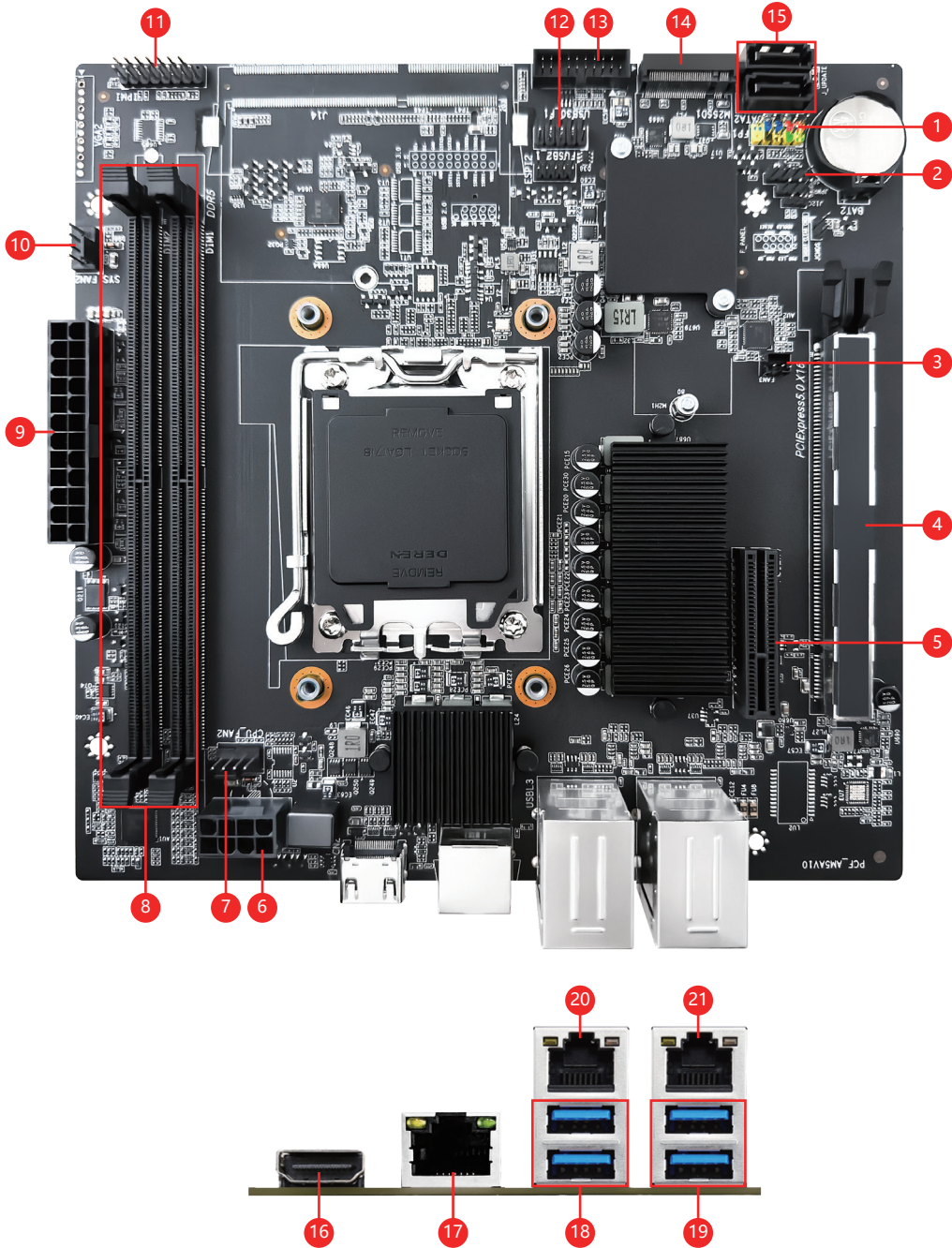
Product characteristics:

- AMD Ryzen 7000/8000/9000 series processors
- Support 8*USB (2*USB2.0 Pin/ 2*USB3.0 Pin/4*USB3.0 interface)
- Support 3*LAN(1*Realtek 8211,1Gbps/ 100Mbps/10Mbps Ethernet Controller; (BMC Control the management interface) (2*Realtek 8125,2.5Gbps/1Gbps/100Mbps/ 10Mbps Ethernet Controller)



PCF_AM5AV10 Motherboard Specifications

Size	200mm*200mm
CPU	AMD Ryzen 7000/8000/9000 series processors
RAM	Supports 2*DDR5 6000MHz Maximum support 128GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 1*SPK1 Pin 1*FAN3 Pin 1*8Pin Power outlet 1*CPU_FAN2 Pin 1*24Pin Power outlet 1*SYS_FAN2 Pin 1*IPMI Pin 1*FUSB2_1 Pin(Support 2*USB2.0 interface) 1*USB30_F1 Pin(Support 2*USB3.0 interface) 2*SATA Data interface(1-2)
Rear I/O	1*HDMI interface 4*USB3.0 interface 1*LAN interface(1G) 2*LAN interface(2.5G)
LAN	2*Realtek 8125,2.5Gbps/1Gbps/100Mbps/10Mbps Ethernet Controller 1*Realtek 8211,1Gbps/100Mbps/10Mbps Ethernet Controller; (BMC Control the management interface)
Expansion slot	2*M.2 5.0 X4 SSD slot / 1*PCIE 5.0 X16 slot / 1*PCIE 4.0 X4 slot
Operating System	Windows10/11, Linux



1	Front panel Pin
2	SPK1 Pin
3	FAN3 Pin
4	PCIEX16 5.0 slot
5	PCIEX4 slot
6	8Pin Power outlet
7	CPU_FAN2 Pin
8	DDR5 slot
9	24Pin Power outlet
10	SYS_FAN2 Pin
11	IPMI Pin
12	FUSB2_1 Pin
13	USB30_F1 Pin
14	M.2 SSD1 slot
15	SATA Data interface(1-2)
16	HDMI interface
17	LAN interface(1G)
18	USB3.0 interface
19	USB3.0 interface
20	LAN interface(2.5G)
21	LAN interface(2.5G)



22	M.2 SSD2 slot
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PCF_AM5AV10 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		

(2) SPK1 Pin

Location	Pin	Definition
SPK1	1	SPKOUT_L-
	2	SPKOUT_L+
	3	SPKOUT_R-
	4	SPKOUT_R+

(7) CPU_FAN Pin

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

(10) SYS_FAN Pin

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

(12) FUSB2_1 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

(13) USB30_F1 Pin

Location	Pin	Definition	Pin	Definition
USB30_F1	2		1	VBUS
	4	VBUS	3	SSRX1-
	6	SSRX2-	5	SSRX1+
	8	SSRX2+	7	GND
	10	GND	9	SSTX1-
	12	SSTX2-	11	SSTX1+
	14	SSTX2+	13	GND
	16	GND	15	D1-
	18	D2-	17	D1+
	20	D2+	19	NC