

ZXETCAV10 Motherboard

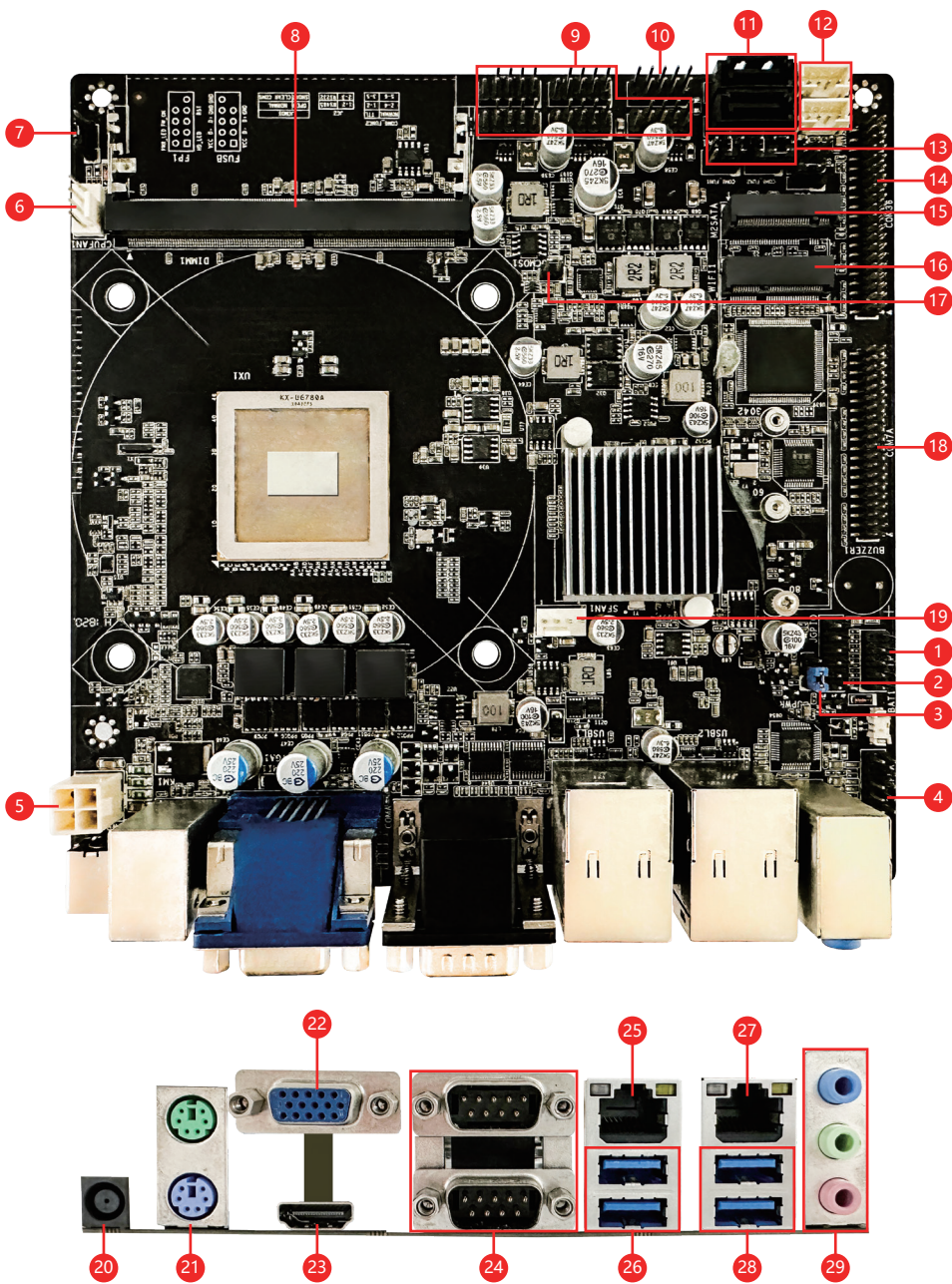
Product characteristics:

- First® KX-6000 CPU
- Support 14*USB (10*USB2.0 Pin/ 4*USB3.0 interface)
- Support 2*LAN(Realtek 8111; 10M/100M/1000M Ethernet Controller)



ZXETCAV10 Motherboard Specifications

Size	170mm*170mm
CPU	First®KX-6000 CPU
RAM	DDR4-2666MHz 64GB
BIOS	BaiAo 64Mbit Flash
Internal I/O	1*Front panel Pin 1*JGPIO Pin 1*JPWR Jumper 1*CFPA Pin 1*4PIN power outlet 1*CPU_FAN Pin 1*JKB Jumper 1*DDR4 Slot 5*FUSB Pin 1*LPC1 Pin 2*SATA Data interface 2*JSATA Power supply interface 2*COM_FUN Jumper 1*COM36 Pin 1*M.2 SATA(Support 2XPCIE) Slot 1*M.2 WIFI Slot 1*JCMOS Pin 1*COM7A Pin 1*SYS_FAN Pin
Rear I/O	1*DC_12V interface 1*PS/2 interface 1*VGA interface 1*HDMI interface 2*COM interface 2*LAN interface 4*USB3.0 interface 1*AUDIO interface (1*LINE IN、1*LINE OUT、1*MIC)
LAN	2*Realtek 8111; 10M/100M/1000M Ethernet Controller
Expansion slot	1*M.2 SATA(Support 2XPCIE) Slot/ 1*M.2 WIFI Slot
Operating System	Windows7/10, Linux



1	Front panel Pin
2	JGPIO Pin
3	JPWR Jumper
4	CFPA Pin
5	4PIN power outlet
6	CPU_FAN Pin
7	JKB Jumper
8	DDR4 Slot
9	FUSB Pin
10	LPC1 Pin
11	SATA Data interface
12	JSATA Power supply interface
13	COM_FUN Jumper
14	COM36 Pin
15	M.2 SATA(Support 2XPCIE) Slot
16	M.2 WIFI Slot
17	JCMOS Pin
18	COM7A Pin
19	SYS_FAN Pin

20	DC_12V interface	25	LAN interface
21	PS/2 interface	26	USB3.0 interface
22	VGA interface	27	LAN interface
23	HDMI interface	28	USB3.0 interface
24	COM interface	29	AUDIO interface (1*LINE IN、1*LINE OUT、1*MIC)

ZXETCAV10 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		

(4) CFPA Pin

Location	Pin	Definition	Pin	Definition
CFPA1 (2.54mm)	1	P_STB_R	2	AUD_AGND
	3	P_PD0_R	4	NC
	5	P_PD1_R	6	MIC2-JD
	7	P_PD2_R	8	NC
	9	P_PD3_R	10	LINE2-JD

(6) CPU_FAN Pin

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

(9) FUSB (1/2/3/4/5) 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

Location	Pin	Definition	Pin	Definition
FUSB4 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM3	4	FDM4
	5	FDP3	6	FDP4
	7	GND	8	GND
	9	NC	10	GND

Location	Pin	Definition	Pin	Definition
FUSB5 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM5	4	FDM6
	5	FDP5	6	FDP6
	7	GND	8	GND
	9	NC	10	GND

(14) COM36 Pin

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

(17) JCMOS Pin

Location	Pin	Definition
JCMOS1 (2.54mm)	1	GND
	2	RTCRST_N

(19) SYS_FAN Pin

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