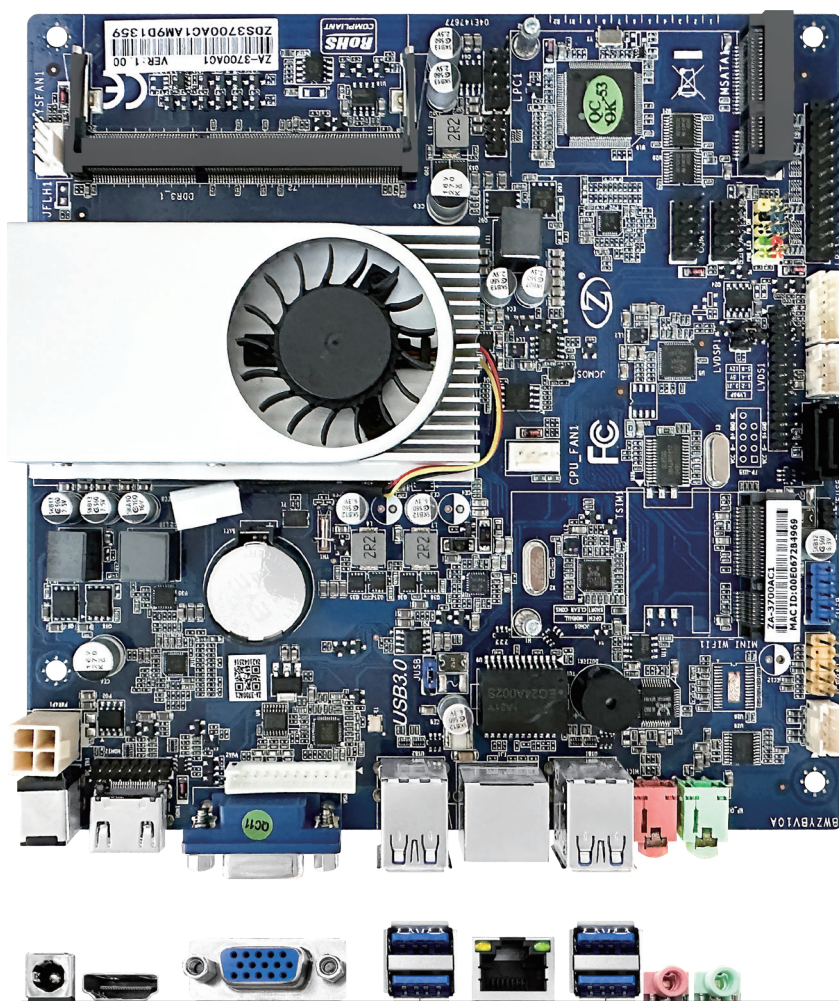


ZA-3700AC1 Mainboard

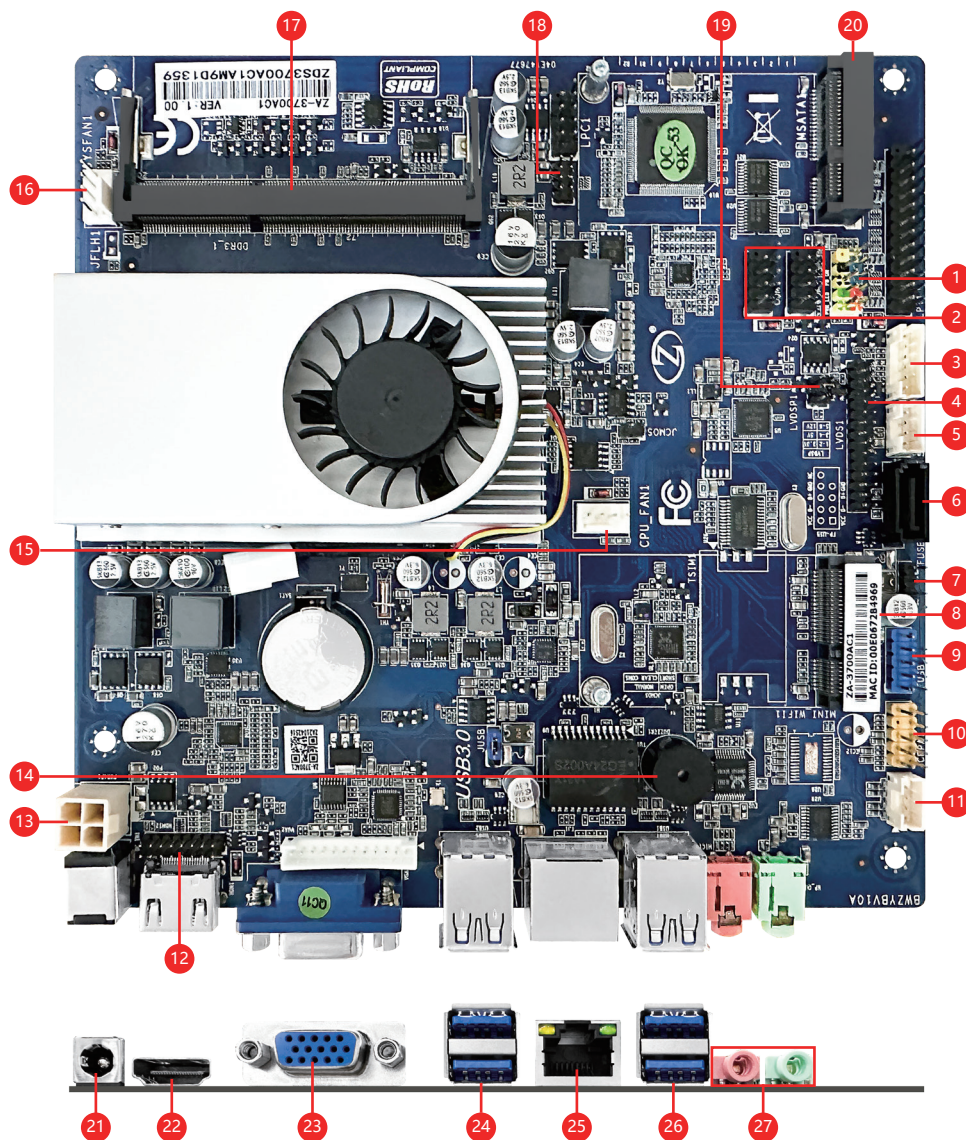
Product characteristics:

- Intel® Pentium® N3700 CPU
- Support 1*HDMI/1*VGA/1*LVDS Display Output
- Support 7*USB (4*USB3.0 interface/ 3*USB2.0 Pin)
- Support 1*LAN (Realtek 8111E 1Gbps/ 100Mbps/10Mbps Ethernet Controller)



ZA-3700AC1 Motherboard Specifications

Size	170mm*170mm
CPU	Intel® Pentium® N3700 CPU
RAM	Support 1*DDR3L-1600MHz Maximum support 8GB
BIOS	AMIBIOS 32Mbit Flash
Internal I/O	1*Front panel Pin 2*COM1/2 Pin 1*INVERT1 Pin 1*LVDS1 Pin 1*JSATA Power supply interface 1*SATA Data interface 3*FUSB1/2 Pin(Support 3*USB2.0 interface) 1*CFPA1 Pin 1*SPEAK1 Pin 1*HDMI2 Pin 1*4Pin Power outlet 1*CPU_FAN1 Pin 1*SYS_FAN1 Pin 1*GPIO Pin 1*LVDSP Pin
Rear I/O	1*DC 12V interface 1*HDMI interface 1*VGA interface 4*USB3.0 interface 1*LAN interface 2*AUDIO interface (1*LINE OUT、1*MIC)
LAN	1*Realtek 8111E 1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	1*Mini pcie slot (WIFI) / 1*Mini pcie slot (MSATA)
Operating System	Windows7/8/10; Linux



1	Front panel Pin
2	COM1/2 Pin
3	INVERT1 Pin
4	LVDS1 Pin
5	JSATA Power supply interface
6	SATA Data interface
7	FUSB2 Pin
8	Mini pcie slot (WIFI)
9	FUSB1 Pin
10	CFPA1 Pin
11	SPEAK1 Pin
12	HDMI2 Pin
13	4Pin Power outlet
14	Buzzer
15	CPU_FAN1 Pin
16	SYS_FAN1 Pin
17	DDR3 slot
18	GPIO Pin
19	LVDSP Pin
20	Mini pcie slot (MSATA)

21	DC 12V interface	25	LAN interface
22	HDMI interface	26	USB3.0 interface
23	VGA interface	27	AUDIO interface (1*LINE OUT、1*MIC)
24	USB3.0 interface		

ZA-3700AC1 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) COM1/2 Pin

Location	Pin	Definition	Pin	Definition
COM1 (2.54mm)	1	NDCDA	2	NSINA
	3	NSOUTA	4	NDTRA
	5	GND	6	NDSRA
	7	NRTSA	8	NCTSA
	9	NRIA		

Location	Pin	Definition	Pin	Definition
COM2 (2.54mm)	1	2DCD	2	2SIN
	3	2SOUT	4	2DTR
	5	GND	6	2DSR
	7	2RTS	8	2CTS
	9	2RI		

(3) INVERT1 Pin

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

(4) LDVS Pin

Location	Pin	Definition	Pin	Definition
LVDS (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

(7/9) FUSB1/2 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

(10) CFPA Pin

Location	Pin	Definition	Pin	Definition
FPA1 (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

(11) SPEAK Pin

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

(12) HDMI Pin

Location	Pin	Definition	Pin	Definition
HDMI2 (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

(14) CPU_FAN1 Pin

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

(15) SYS_FAN1 Pin

Location	Pin	Definition
SYS_FAN1	1	GND
	2	+12V
	3	FAN_TAC22
	4	FAN_CTL22

(19) LVDSP Pin

Location	Pin	Definition
LVDSP1	1-2	3.3V
	3-4	5V
	5-6	12V