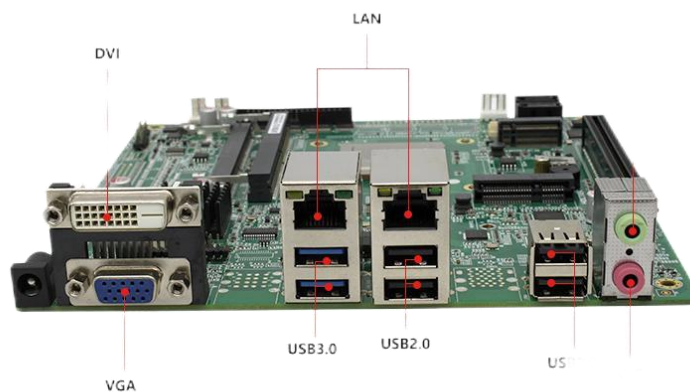


## 产品型号 SBM-FT2000-2LG



## 产品特性

- ▶ CPU:飞腾2000四核CPU
- ▶ 内存: 2\*SODIMM DDR4,最大支持16GB
- ▶ 存储: 2\*SATA3.0,1\*M.2(SSD)
- ▶ 声卡: ALC662 1\*Line out 1\*Mic in
- ▶ 网口: 2\*RealtekRTL811H千兆网卡
- ▶ 显示: 主板集成显卡1\*VGA 1\*DVI,1\*LVDS
- ▶ COM:4\*232串口, USB:2\*USB3.0;4\*USB2.0
- ▶ PCI-E接口: 1\*PCI-E3.0 X 16槽 (X8信号)
- ▶ 板型: 170\*170mm(Mini-ITX)
- ▶ BIOS:UEFI
- ▶ 系统: Kylin/UOS
- ▶ 供电方式: DC12V



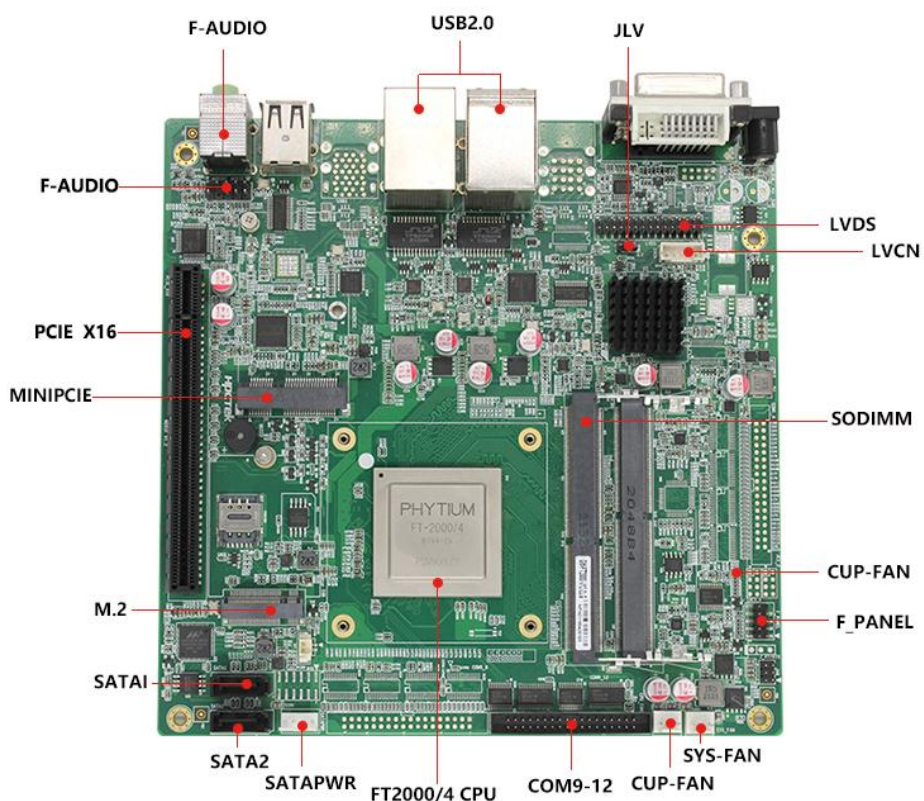
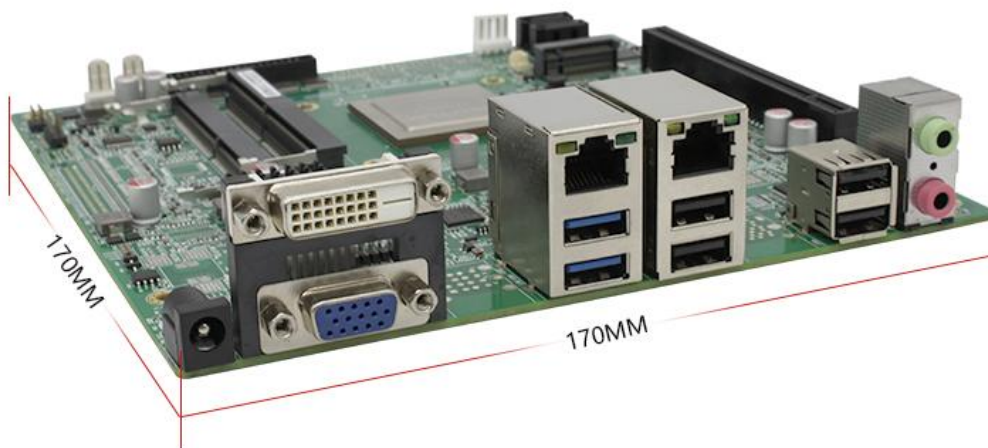
 **技术参数**

**SBM-FT2000-2LG**

CPU	飞腾FT-2000/4 CPU, 主频2.6GHz, 功耗低至10W
内存	2* SODIMM, DDR4,最大支持32GB
存储	2* SATA3.0, 1* M.2 (SSD)
声卡	ALC662 2 * Line out, 2* Mic in
以太网	2 * Realtek RTL8111H千兆网卡
显示	主板集成显卡, 1* VGA, 1 * DVI, 1 * LVDS
COM	4 * RS232
I/O	2 * RJ45网口
	2 * USB3.0 Type-A接口
	4 * USB2.0 Type-A接口
	1 * 3.5mm音频插座(Line out, Mic in)
	1 * 2x5 PIN排针(Line out2, Mic in2)
	1 * 2x18 PIN排针(4个RS232)
	1* Key-B(SSD)
	1* PCI-E3.0 X16槽 (X8信号)
	1 * 1x3 PIN系统风扇座子
	1 * 1x3 PIN CPU风扇座子
	1* 2x5PIN排针 (开机+复位+LED)
	1* 2x15PIN排针(LVDS接口)
	1*DC电源插头
版型	170*170mm (Mini-ITX)
BIOS	UEFI

系统	Kylin/UOS
供电	DC 12V
工作温度	-10~50 °C
存储温度	-20~60°C

**外形尺寸**



## ■ 内部接口定义

SYS\_FAN,1x3,PH=2.54MM,系统风扇座子

NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	GND		3	NC	
2	+12V				

CPU\_FAN,1x3,PH=2.54MM,CPU风扇座子

NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	GND		3	NC	
2	+12V				

F\_PANEL,2x5,PH=2.0MM

NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	PWRBTN+	开关+	2	SATA_LED	硬盘灯+
3	PWRBTN-	开关-	4	GND	硬盘灯-
5	RESET_SW	复位+	6	经1K电阻上拉至 +3.3V	电源灯+
7	GND	复位-	8	GND	电源灯-
9	空PIN		10	GND	

COM9\_12, 2x18,PH=2.0MM

NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	DCD9		2	RXD9	
3	TXD9		4	DTR9	
5	GND		6	DSR9	
7	RTS9		8	CTS9	
9	RI9		10	NC	
11	RXD10		12	TXD10	
13	NC		14	GND	
15	NC		16	NC	
17	NC		18	NC	
19	NC		20	RXD11	
21	TXD11		22	NC	
23	GND		24	NC	
25	NC		26	NC	
27	NC		28	NC	
29	RXD12		30	TXD12	
31	NC		32	GND	
33	NC		34	NC	
35	NC		36	NC	

F_AUDIO,2x5,PH=2.54MM, 1*Line Out, 1*Mic In					
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	MIC_L		2	GND	
3	MIC_R		4	3.3V上拉	
5	LINE_OUT_R		6	MIC_JD	设备插入检测
7	GND		8	空PIN	
9	LINE_OUT_L		10	LINE_JD	设备插入检测

SATAPWR,1x4,SATA电源座子					
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	+12V		3	GND	
2	GND		4	+5V	

LVDS:2x15,PH=2.0MM, 1*LVDS					
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	LCDVDD	可选+5V/+3V, 默认+3V(通过JLV跳选)	2	LCDVDD	可选+5V/+3V, 默认+3V(通过JLV跳选)
3	LCDVDD		4	NC	
5	GND		6	GND	
7	A0M		8	A0P	
9	A1M		10	A1P	
11	A2M		12	A2P	
13	GND		14	GND	
15	CLK1M		16	CLK1P	
17	A3M		18	A3P	
19	A4M		20	A4P	
21	A5M		22	A5P	
23	A6M		24	A6P	
25	GND		26	GND	
27	CLK2M		28	CLK2P	
29	A7M		30	A7P	

JLV:1x3,PH=2.0MM, LVDS电压选择PIN					
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	+V3.3S		2	LCDVDD	1-2:+3.3V
3	+V5S				2-3:+5V

IVCN:1x5,PH=2.0MM, LVDS背光排针					
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION
1	+V12S		4	BKLT_PWM	亮度调节

2	GND		5	+V5S	
3	ENABKL	背光使能			

SODIMM: DDR4插槽  
M.2 Key-B: 支持SATA信号的SSD

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