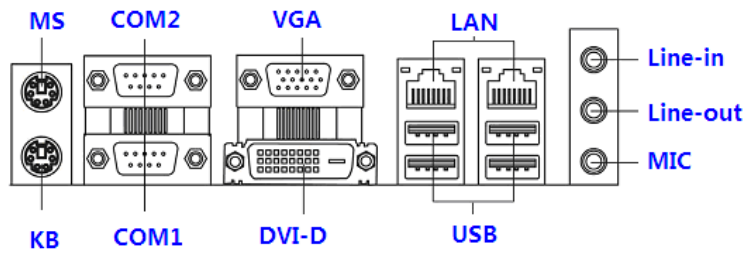
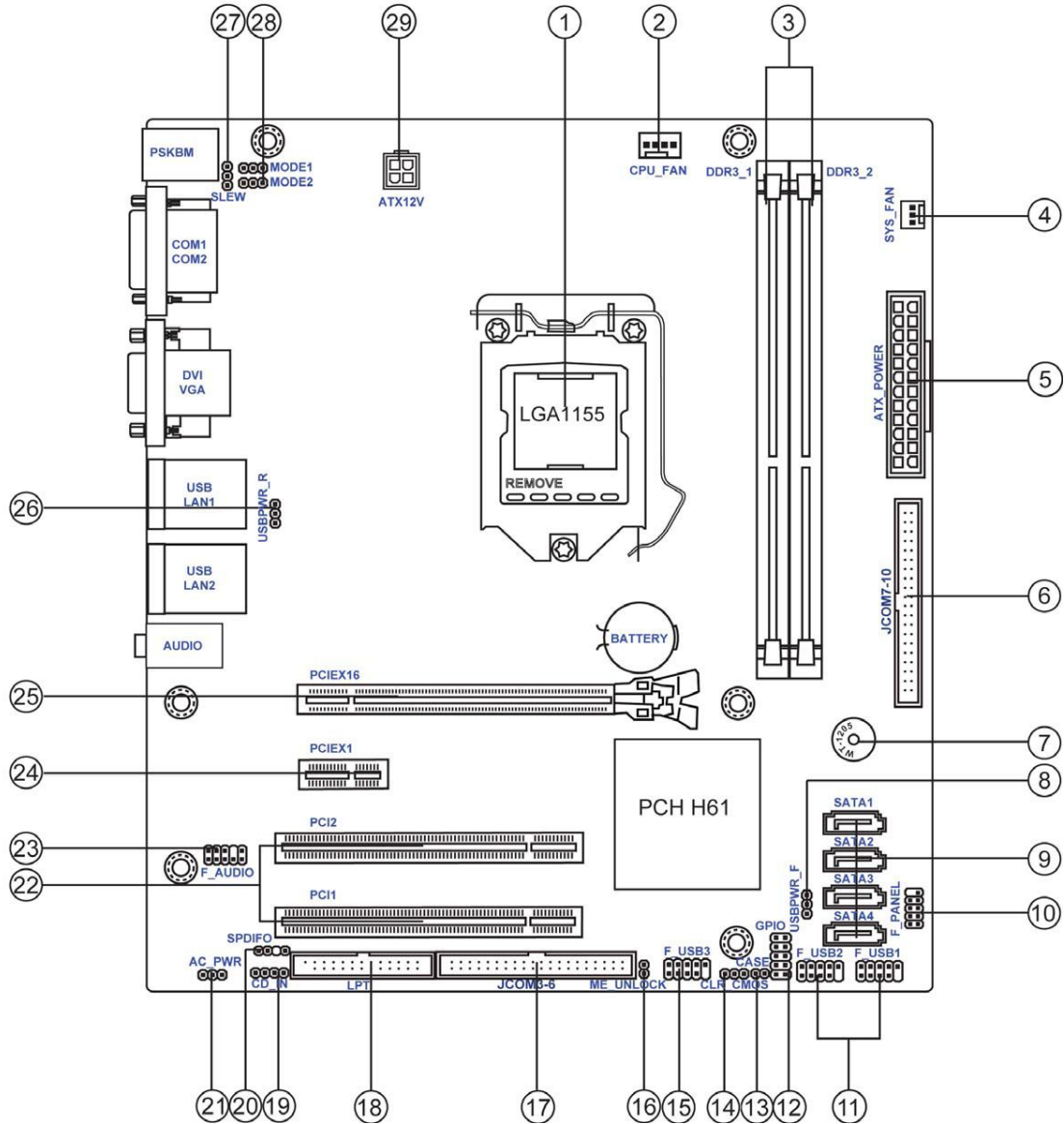


## SYM76993VGGA 简易说明书

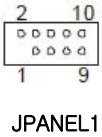
### 1、System Board Layout



2、Connectors:

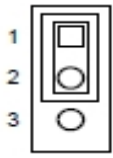
Label	Connectors
1	LGA 1155 Intel Core i3/i5/i7/Pentium Series (Sandy bridge or Ivy bridge )
2	CPU FAN Pin Header
3	2* 240pin DDR3 DIMM 1600/1333MHz up to 16GBz
4	System FAN Pin Header
5	ATX power Connector
6	COM7~COM10 port Pin Header (4_in_1)
8	Front panel USB power select Jumper
9	SATA1~SATA4 port , speed up to 3.0Gb/s
10	Front panel switch/LED header
11	Front panel USB 2.0 headers
12	GPIO Connector
13	CASE open header
14	Clear CMOS jumper
15	Front panel USB 2.0 header
16	ME unlock header-for factory use only
17	COM3~COM6 port Pin Header (4_in_1)
18	Printer connector
19	CD-IN input connector
20	SPDIF out header
21	AT or ATX Mode Jumper
22	PCI slot
23	Front panel audio header
24	PCI Express x1 slot
25	PCI Express x16 slot
26	Rear USB/PS2 power select jumper
27	COM port speed slew
28	COM1 RS232/422/485 Mode Header

### 3、Front Panel Connector setting :

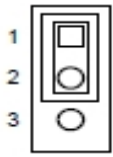
Pin	Define	Function	Pin	Define	Function	
1	N/A	N/A	2	N/A	Reset button	
3	Power GND	Power Button	4	Reset button+		
5	Power		6	Reset button-		
7	Power LED-	Power LED	8	HDD LED-	HDD LED	
9	Power LED+		10	HDD LED+		

### 4、Jumper Setting

#### (A)、Clear CMOS jumper:

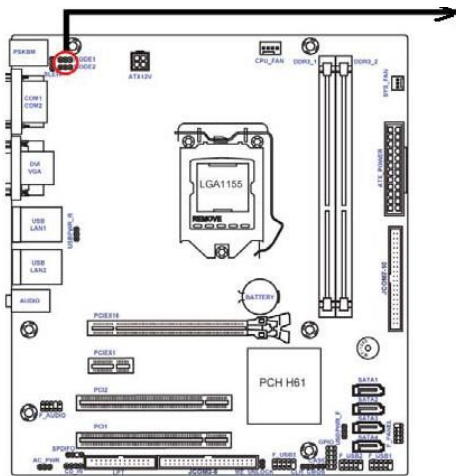
Jumper	status	
Short 1~2	Normal Operation (default)	
Short 2~3	Clear CMOS	

#### (B)、AT /ATX Power on Mode jumper:

Jumper	status	
Short 1~2	ATX mode	
Short 2~3	AT mode	

### 5、COM1 RS232/422/485 setting:

Note: Mode1 /Mode2 determine that COM1 belongs to RS232/422/485



	RS232	RS422	RS485
<b>Mode1</b>	2-3	2-3	1-2
<b>Mode2</b>	1-2	2-3	2-3

	RS232	RS422	RS485
<b>1</b>	Carrier detect	TX-	TX -
<b>2</b>	Received data	TX+	TX+
<b>3</b>	Transmitted	RX+	NC
<b>4</b>	Data terminal	RX-	NC
<b>5</b>	GND	GND	GND
<b>6</b>	Data set ready	NC	NC
<b>7</b>	Request to send	NC	NC
<b>8</b>	Clear to send	NC	NC
<b>9</b>	Ring	NC	NC

### Packing list:

- SYM76993VGGA Mainboard \*1pcs
- Utility CD for SYM76993VGGA \*1pcs
- Installation Guide \*1pcs
- USB cable \*1 pcs
- SATA cable \*2pcs;
- Com extension cables \*2pcs
- I/O Shield \*1pcs