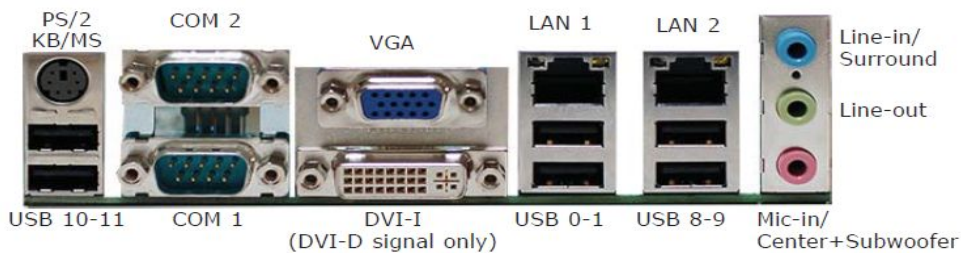
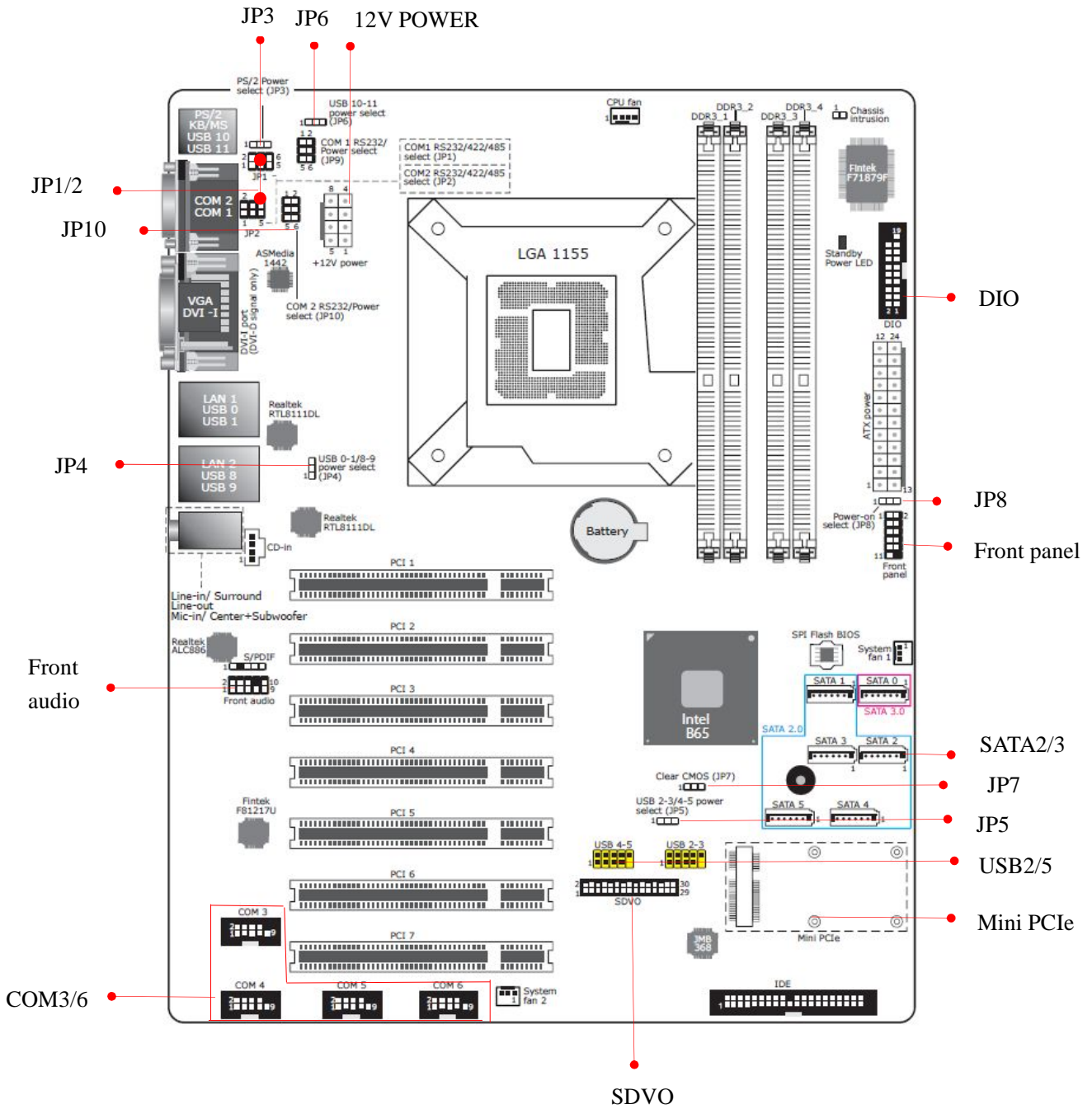


# SYM76990VGGA-SP 简易说明书

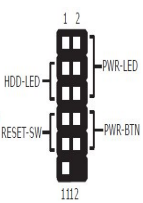
## 1、System Board Layout



## 2、Connectors:

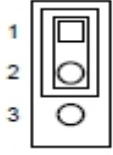
Label	Connectors
JP3	PS/2 Power Select
JP6	USB Power Select
JP8	Power-on Select
JP1	COM1 RS232/RS422/RS485 Select
JP2	COM2 RS232/RS422/RS485 Select
JP9	COM1RS232/Power Select
JP10	COM2 RS232/Power Select
JP7	Clear CMOS jumper
USB2/5	Front panel USB 2.0 headers
Front audio	Front panel audio header
SATA2/3	SATA1~SATA4 port , speed up to 3.0Gb/s

## 3、Front Panel Connector setting :

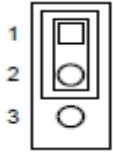
Pin	Define	Function	Pin	Define	Function	 <p><b>JPANEL1</b></p>
1	N/A	N/A	2	N/A	Power LED	
3	HDD LED-	HDD LED	4	Power LED+		
5	HDD LED+		6	Power LED-		
7	Reset button-	Reset button	8	Power GND	Power Button	
9	Reset button+		10	Power		
11	N/A	N/A	12	N/A	N/A	

#### 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/COM2 RS232/422/485 setting:

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

	RS232	RS422	RS485
JP1	2-3	2-3	1-2
JP22	1-2	2-3	2-3

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

**Packing list:**

- SYM76990VGGA-SP Mainboard \*1pcs
- Utility CD for SYM76990VGGA-SP \*1pcs
- Installation Guide \*1pcs
- USB cable \*1 pcs
- SATA cable \*2pcs;
- Com extension cables \*2pcs
- I/O Shield \*1pcs