



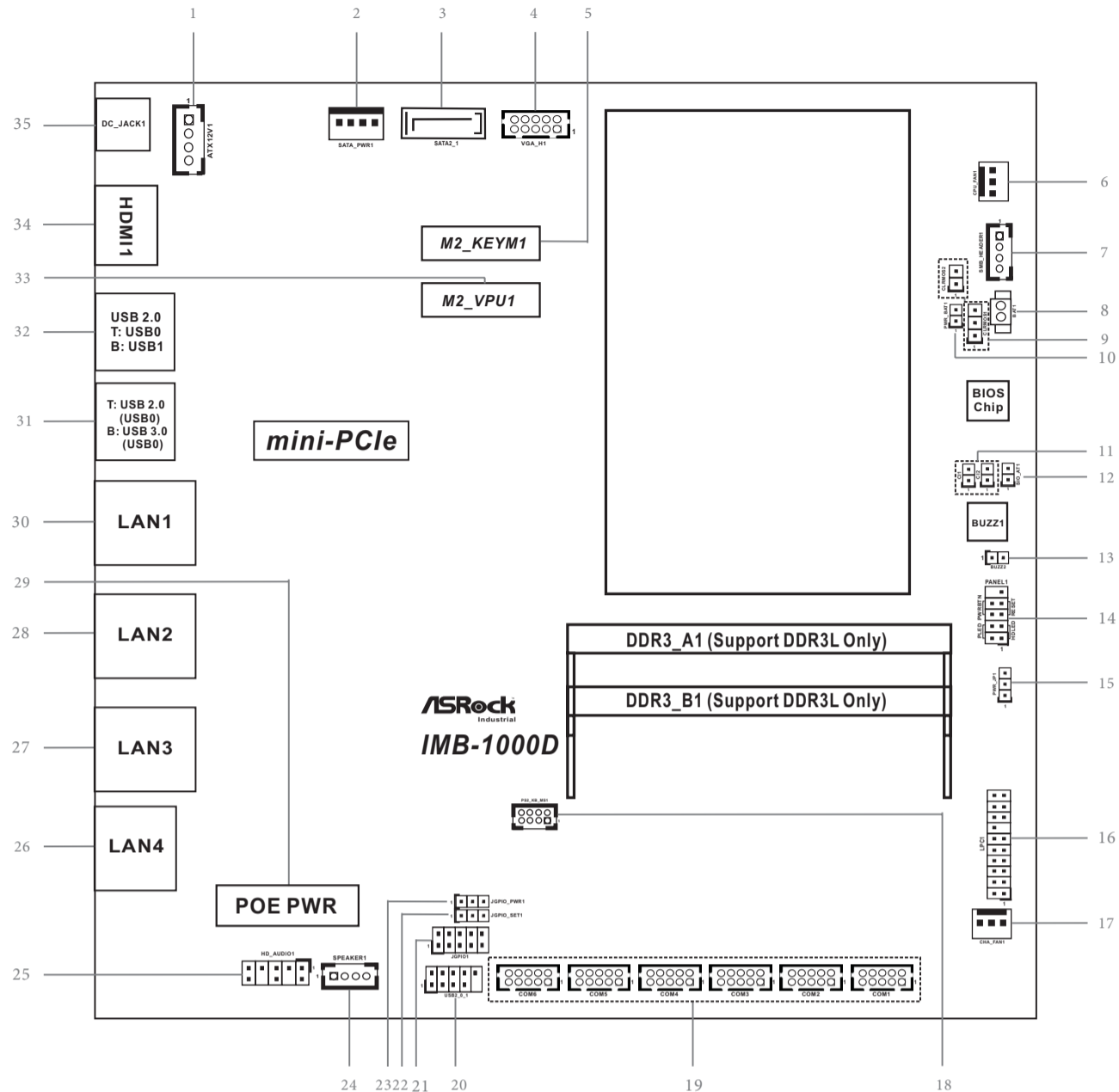
P/N: 15G06M081000AK V1.0

**ASRock**  
— Industrial —

# Jumpers and Headers Setting Guide

**IMB-1000D**  
**IMB-1000D-WF**

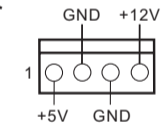
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**1 : 4-pin DC-in PWR Connector**  
(Input +12V)  
1-4: GND  
2-3: DC Input



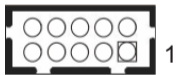
**2 : SATA Power Output Connector**



**3 : SATA2 Connector (SATA2\_1)**



**4 : VGA Header**

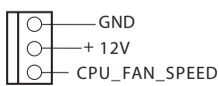


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	DDC_DATA	8	VSYNC	6	GND	4	GND	2	GND
9	DDC_CLK	7	HSYNC	5	BLUE	3	GREEN	1	RED

**5 : M.2 Key-M Socket (M2\_KEYM1)**

Pin	Signal	Signal	Pin
1	GND	+3.3V	2
3	GND	+3.3V	4
5	NA	NA	6
7	NA	NA	8
9	GND	SATA_LED	10
11	NA	+3.3V	12
13	NA	+3.3V	14
15	GND	+3.3V	16
17	NA	+3.3V	18
19	NA	NA	20
21	GND	NA	22
23	NA	NA	24
25	NA	NA	26
27	GND	NA	28
29	NA	NA	30
31	NA	NA	32
33	GND	NA	34
35	NA	NA	36
37	NA	DEVSLP	38
39	GND	SMB_CLK	40
41	SATA-B+	SMB_DATA	42
43	SATA-B-	NA	44
45	GND	NA	46
47	SATA-A-	NA	48
49	SATA-A+	PERST#	50
51	GND	CLKREQ#	52
53	PEFCLKn	WAKE#	54
55	PEFCLKp	NA	56
57	GND	NA	58
67	NA	NA	68
69	PEDET	+3.3V	70
71	GND	+3.3V	72
73	GND	+3.3V	74
75	GND	+3.3V	76

**6 : CPU FAN Connector (+12V)**



**7 : SMB Header**



PIN	Signal Name
1	POWER
2	SMB_CLK
3	SMB_DATA
4	GND

**8 : Battery Connector**

**9 : Clear CMOS Headers**

**CLR\_MOS1:**

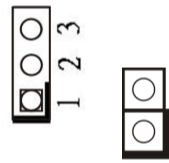
1-2: Normal

2-3: Clear CMOS

**CLR\_MOS2:**

Open: Normal

Short: Auto Clear CMOS (Power Off)



**10 : PWR\_BAT1**

Open: Normal

Short: Charge Battery



**11 : Chassis Intrusion Headers**

**CI1:**

Close: Active case open

Open: Normal

**CI2:**

Close: Normal

Open: Active case open



**12 : SIO\_AT1**

Open: ATX Mode

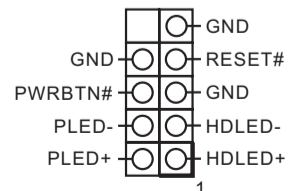
Short: AT Mode



**13 : Buzzer**



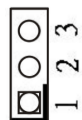
**14 : System Panel Header**



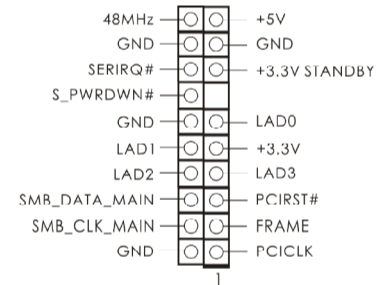
**15 : ATX/AT Mode Select (PWR\_JP1)**

1-2: AT Mode

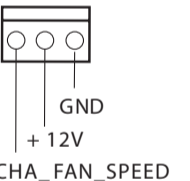
2-3: ATX Mode



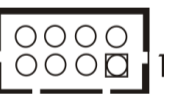
**16 : LPC Header**



**17 : Chassis FAN Connector (+12V)**

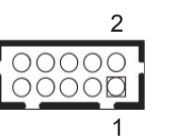


**18 : PS2 Keyboard/Mouse Header**



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
8	GND	6	GND	4	USB2_PWR6_7	2	USB2_PWR6_7
7	MSCLK	5	MSDATA	3	KBDATA	1	KBCLK

**19 : COM Port Headers (COM1~6)**

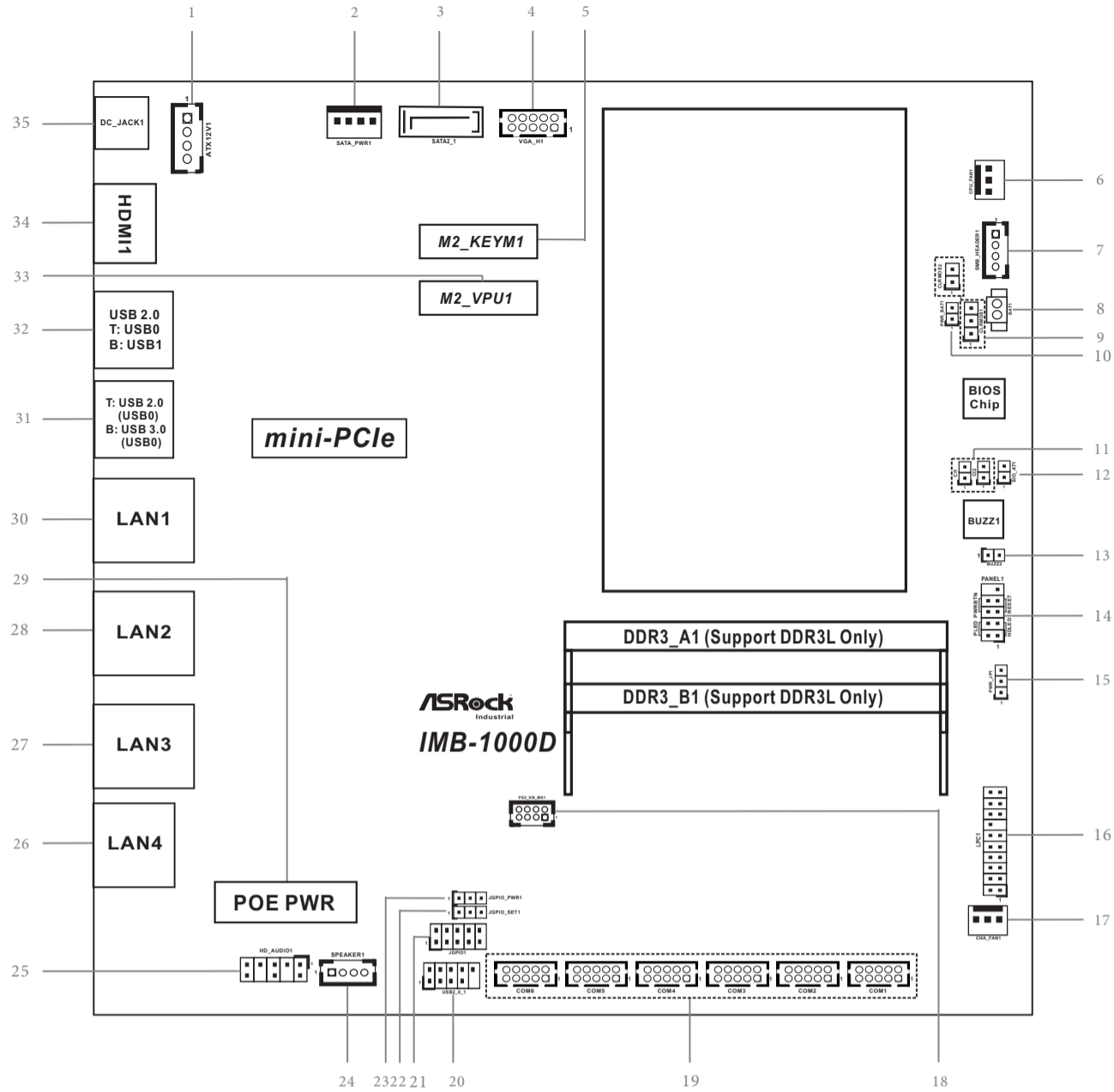


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	NC	8	CCTS#	6	DDSR#	4	DDTR#	2	RRXD
9	+5V/+12V	7	RRTS#	5	GND	3	TTXD	1	DDCD#

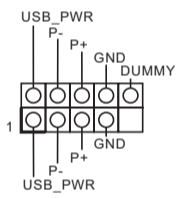
\* This motherboard supports RS232/422/485 on COM1 and COM2 ports. Please refer to below table for the pin definition. In addition, COM1 and COM2 ports (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to our user manual for details.

### COM1, 2 Ports Pin Definition

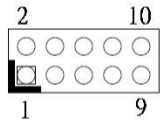
PIN	RS232	RS422	RS485
1	DCD	TX-	RTX-
2	RXD	RX+	N/A
3	TXD	TX+	RTX+
4	DTR	RX-	N/A
5	GND	GND	GND
6	DSR	N/A	N/A
7	RTS	N/A	N/A
8	CTS	N/A	N/A
9	+5V/+12V	+5V/+12V	+5V/+12V
10	NC	NC	NC



20 : USB2.0 Connector (USB2\_0\_1)

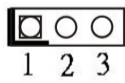


21 : Digital Input / Output Pin Header (JGPIO1)

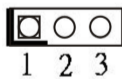


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	SIO_GP80	4	SIO_GP81	6	SIO_GP82	8	SIO_GP83	10	GND
1	SIO_GP84	3	SIO_GP85	5	SIO_GP86	7	SIO_GP87	9	JGPIO_PWR

22 : Digital Input / Output Default Value Setting (JGPIO\_SET1)  
1-2: Pull-High  
2-3: Pull-Low



232 : Digital Input / Output Power Select (JGPIO\_PWR1)  
1-2: +12V  
2-3: +5V

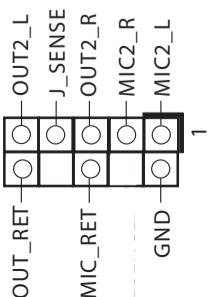


24 : 3W Audio AMP Output Wafer



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	OUTLN	2	OUTLP	3	OUTRP	4	OUTRN

25 : Front Panel Audio Header



26 : RJ45 LAN Port (LAN4)  
27 : RJ45 LAN Port (LAN3)  
28 : RJ45 LAN Port (LAN2)  
30 : RJ45 LAN Port (LAN1)

29 : POE PWR

31 : Top: USB2.0 Port (USB2H\_0)  
Bottom: USB3.0 Port (USB3\_0)  
32 : USB2.0 Ports (USB2H\_0\_1)

33 : M2\_VPU1

Pin	Signal	Signal	pin
1	GND	+3.3V	2
3	GND	+3.3V	4
5	NA	NA	6
7	NA	NA	8
9	GND	SATA_LED	10
11	NA	+3.3V	12
13	NA	+3.3V	14
15	GND	+3.3V	16
17	NA	+3.3V	18
19	NA	NA	20
21	GND	NA	22
23	NA	NA	24
25	NA	NA	26
27	GND	NA	28
29	NA	NA	30
31	NA	NA	32
33	GND	NA	34
35	NA	NA	36
37	NA	DEVSLP	38
39	GND	SMB_CLK	40
41	PERn0	SMB_DATA	42
43	PERp0	NA	44
45	GND	NA	46
47	PETn0	NA	48
49	PETp0	PERST#	50
51	GND	CLKREQ#	52
53	PEFCLKn	WAKE#	54
55	PEFCLKp	NA	56
57	GND	NA	58
67	NA	NA	68
69	NA	+3.3V	70
71	GND	+3.3V	72
73	GND	+3.3V	74
75	GND		

34 : HDMI Port (HDMI1)  
35 : DC Jack (DC\_JACK1)