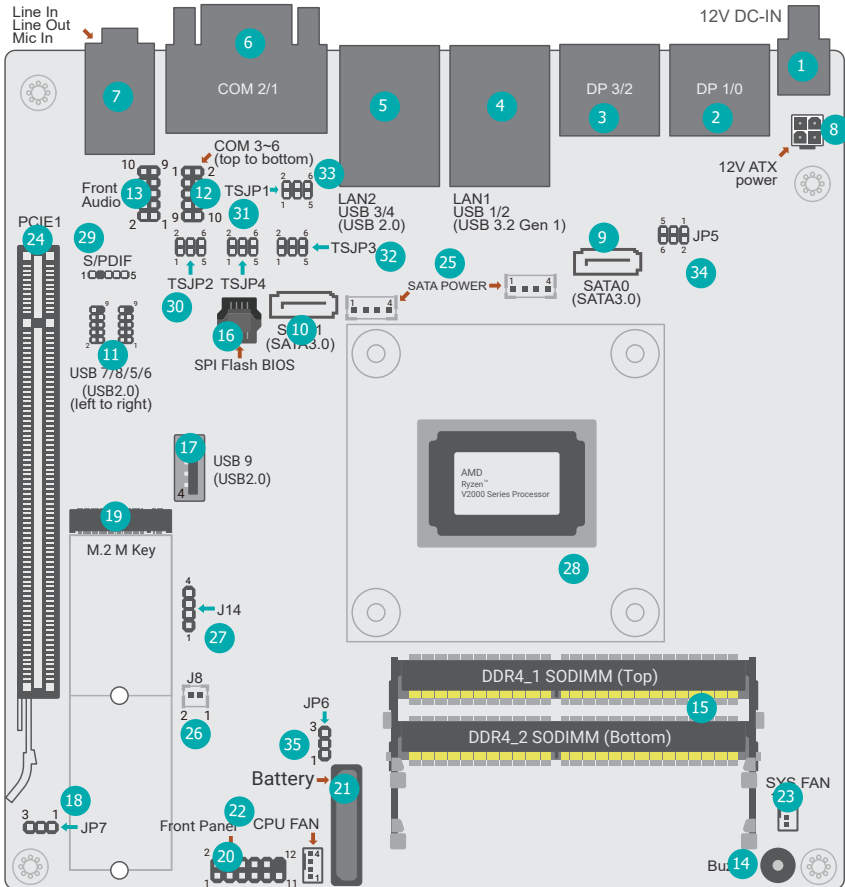


## Board Layout



- |                           |                         |                     |                          |
|---------------------------|-------------------------|---------------------|--------------------------|
| 1 12V DC-In               | 10 SATA1                | 19 M.2 M Key        | 28 CPU                   |
| 2 DP 1/0                  | 11 USB 7/8/5/6(USB 2.0) | 20 Front Panel      | 29 S/PDIF                |
| 3 DP 3/2                  | 12 COM 3~6              | 21 Battery          | 30 Selection for COM 2   |
| 4 LAN 1 USB 1/2           | 13 Front Audio          | 22 CPU Fan          | 31 Selection for COM 2   |
| 5 LAN 2 USB 3/4 (USB 2.0) | 14 Buzzer               | 23 SYSTEM Fan       | 32 Selection for COM 2   |
| 6 COM2/1                  | 15 DDR4 1/2             | 24 PCIe1            | 33 Power Selection COM 2 |
| 7 Line In/Line Out/Mic In | 16 SPI Flash BIOS       | 25 SATA Power       | 34 SATA Power Selection  |
| 8 12V ATX POWER           | 17 USB 9(USB 2.0)       | 26 System Intrusion | 35 Clear CMOS            |
| 9 SATA0                   | 18 AT/ATX Mode          | 27 UART Debug       | 36 LPC                   |

## Jumper Settings

### 35 Clear CMOS

#### JP6

Normal (default)	1-2 On
Clear CMOS Data	2-3 On

### 34 SATA Power Selection

#### JP5

Standard SATA	1-3 On / 2-4 On
SATA+Power	3-5 On / 4-6 On

### 33 Power Selection COM 2

#### TSJP1

RS232 Standard (Default)	1-3 On / 2-4 On
RS232 With Power	3-5 On / 4-6 On

### 30 Selection for COM 2

#### TSJP2

RS232 (Default)	1-3 On / 4-6 On
RS422	3-5 On / 4-6 On
RS485	3-5 On / 2-4 On

### 31 32 Selection for COM 2

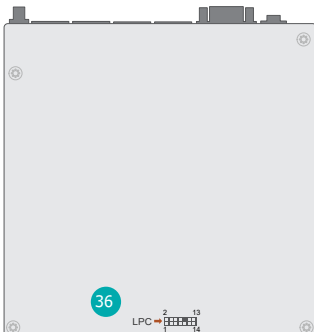
#### TSJP4 / TSJP3

RS232 (Default)	1-3 On / 2-4 On
RS422	3-5 On / 4-6 On
RS485	3-5 On / 4-6 On

### 18 AT/ATX Mode

#### JP7

AT Mode (default)	1-2 On
ATX Mode	2-3 On



## Pin Assignments

### 11 USB 2.0 7/8

Pin	Function	Pin	Function
1	USB2_PWR67	2	USB2_PWR67
3	P6_N	4	P7_N
5	P6_P	6	P7_P
7	GND	8	GND
9	---	10	N.C.

### 11 USB 2.0 5/6

Pin	Function	Pin	Function
1	USB2_PWR23	2	USB2_PWR23
3	P2_N	4	P3_N
5	P2_P	6	P3_P
7	GND	8	GND
9	---	10	N.C.

### 12 COM 3/4/5/6

Pin	Function	Pin	Function
1	MTD3	2	MTD4
3	MRD3	4	MRD4
5	GND	6	GND
7	MTD5	8	MTD6
9	MRD5	10	MRD6

### 13 Front Audio

Pin	Function	Pin	Function
1	MIC2-L	2	AGND_AUDIO
3	MIC2-R	4	N.C.
5	LINE2-R	6	MIC2-JD
7	AGND_AUDIO	8	--
9	LINE2-L	10	LINE2-JD

# Pin Assignments

## 20 Front Panel

Pin	Function	Pin	Function
1	N.C.	2	3V3SB
3	3V3	4	3V3SB
5	HDD_LED	6	SUS_LED
7	GND	8	GND
9	SYS_RST	10	PWR_BTN
11	N.C.	12	--

## 22 CPU Fan

Pin	Function
1	GND
2	12V
3	RPM
4	CTRL

## 23 SYS Fan

Pin	Function
1	GND
2	12V
3	RPM
4	CTRL

## 25 SATA Power

Pin	Function
1	12V
2	GND
3	GND
4	5V

## 26 System Intrusion

Pin	Function	Pin	Function
1	CASEOPEN-	2	GND

## 27 UART Debug

Pin	Function
1	GND
2	N.C.
3	UART_DEBUG_RX
4	UART_DEBUG_TX

## 29 S/PDIF

Pin	Function
1	A5V
2	--
3	SPOUT
4	GND
5	SPIN

## 36 LPC

Pin	Function	Pin	Function
1	CLK	2	LAD1
3	RST#	4	LAD0
5	FRAME#	6	VCC3
7	LAD3	8	GND1
9	LAD2	10	--
11	SERIRQ	12	GND2
13	5VSB	14	5V



DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on editions that do not resemble your actual products. For more documentation and drivers, please visit the download page at [go.dfi.com/rno171](https://go.dfi.com/rno171), or via the QR code to the right.

