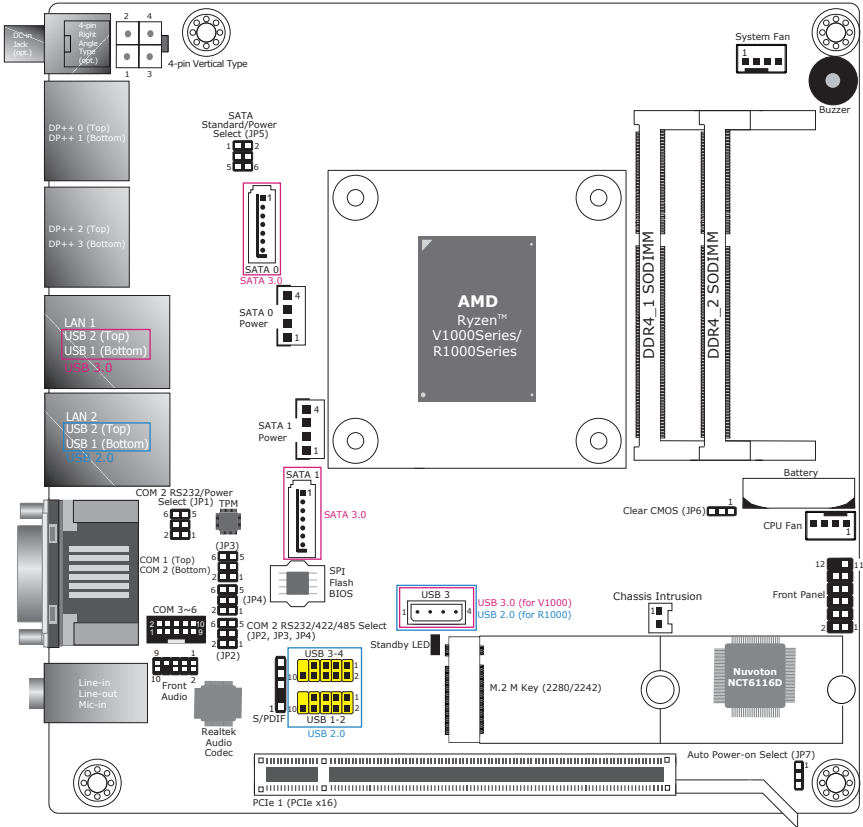


# DFI

## GH171 Quick Reference

### Board Layout and Jumper Settings



COM 2 RS232/422/485 Select	JP2	JP3/JP4
RS232 (default)	1-2 On	1-3, 2-4 On
RS422 Full Duplex	3-4 On	3-5, 4-6 On
RS485	5-6 On	3-5, 4-6 On

COM 2 RS232/Power Select	JP1
RS232 (default)	1-3 (RI-), 2-4 (DCD-) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

SATA Standard/Power Select	JP5
Standard (default)	1-3, 2-4 On
SATA with pin 7 VCC (+5V)	3-5 (SATA 0), 4-6 (SATA 1) On

Auto Power-on Select	JP7
Power-on via AC power (default)	1-2 On
Power-on via power button	2-3 On

Clear CMOS	JP6
Normal (default)	1-2 On
Clear CMOS	2-3 On



# Pin Assignments

## Front Panel

	Pin	Assignment		Pin	Assignment
	1	NC	PWR-LED	2	LED Power
HD-LED	3	HDD Power		4	LED Power
	5	Signal		6	Signal
RESET	7	GND	ATX-SW	8	GND
	9	Signal		10	Signal
	11	NC		12	---

## 4-pin Vertical Type (default)/ 4-pin Right Angle Type (opt.)

Pin	Assignment	Pin	Assignment
1	GND	3	+12V
2	GND	4	+12V

## SATA 3.0 0/1

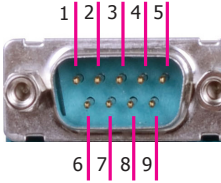
Pin	Assignment
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND (default)/VCC (+5V)

## SATA Power 0/1

Pin	Assignment
1	+12V
2	GND
3	GND
4	+5V

**COM 1 Port: RS232**

**COM 2 Port: RS232/RS232 with Power/RS422/RS485**



Pin	RS232	RS232 with Power	RS422 Full Duplex	RS485
1	DCD-	+12V	RX+	DATA+
2	RD	RD	RX-	DATA-
3	TD	TD	TX+	NC
4	DTR-	DTR-	TX-	NC
5	GND	GND	GND	GND
6	DSR-	DSR-	NC	NC
7	RTS-	RTS-	NC	NC
8	CTS-	CTS-	NC	NC
9	RI-	+5V	NC	NC

**COM 3~6 Header: RS232 (TD/RD signal only)**

Pin	Assignment	Pin	Assignment
1	TD3	2	TD4
3	RD3	4	RD4
5	GND	6	GND
7	TD5	8	TD6
9	RD5	10	RD6

### Front Audio

Pin	Assignment	Pin	Assignment
1	Mic2-L	2	GND
3	Mic2-R	4	NC
5	Line2-R	6	Mic2-JD
7	GND	8	---
9	Line2-L	10	Line2-JD

### S/PDIF

Pin	Assignment
1	+5V
2	---
3	SPDIF out
4	GND
5	SPDIF in

### USB 2.0 1-2/3-4 Headers

Pin	Assignment	Pin	Assignment
1	VCC	2	VCC
3	DATA-	4	DATA-
5	DATA+	6	DATA+
7	GND	8	GND
9	---	10	NC

### CPU Fan/System Fan

Pin	Assignment
1	GND
2	+12V
3	Sense
4	Speed Control

### Chassis Intrusion

Pin	Assignment
1	Signal
2	GND



DFI reserves the right to change the specifications at any time prior to the product's release. For the latest information about the product, please refer to the user's manual at [go.dfi.com/GH171](http://go.dfi.com/GH171).

