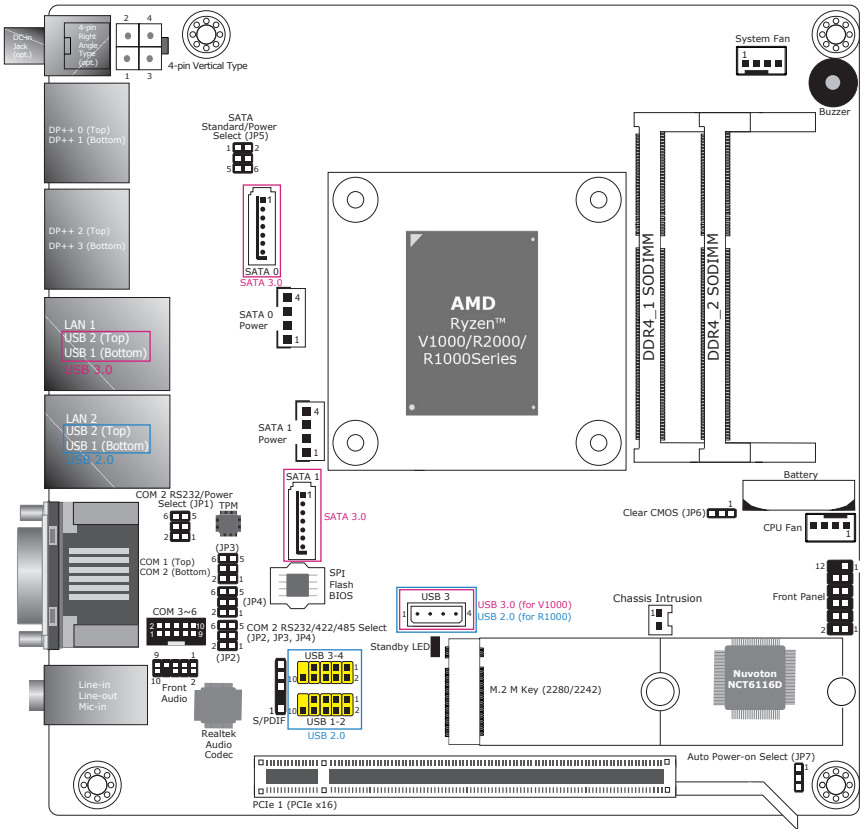


# DFI

## 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

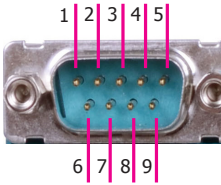
| Pin | Assignment              |
|-----|-------------------------|
| 1   | GND                     |
| 2   | TXP                     |
| 3   | TXN                     |
| 4   | GND                     |
| 5   | RXN                     |
| 6   | RXP                     |
| 7   | GND (default)/VCC (+5V)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

## 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).

