EC200/210/220/221-BT Installation Guide

Package Contents

- 1 system unit
- 1 HDD drive bay kit
- Terminal blocks
- 1 Quick Installation Guide
- 1 CD disk includes:
  - Drivers / Manual

Note:
The CD that came with the system contains an autorun screen to install drivers, utilities, and software applications required to enhance the performance of the system and a user's manual for your reference. Insert the CD into a CD-ROM drive. The autorun screen will appear. If after inserting the CD, “Autorun” did not automatically start, please go directly to the root directory of the CD and double-click “Setup”. Please install all required drivers.

DFI reserves the right to change the specifications at any time prior to the product's release. For the latest revision and for more details of the installation process, please refer to the user's manual on the website.

www.dfi.com
Installing a 2.5" SATA Drive

1. First, use the 5 provided mounting screws to secure the protective plate in place on the system board.

![Mounting Screws](Image)

![Protective plate](Image)

![Heat-dissipating plate](Image)
2. Align the mounting holes of the SATA drive with the mounting holes on the HDD brackets and then use the provided mounting screws to secure the drive in place.
3. Place the SATA drive (with HDD brackets) into the system. Align the mounting holes on the HDD brackets with the mounting holes on the heat-dissipating plate and then use the provided mounting screws to secure the drive in place.
4. Connect A to the SATA data/power connector on the SATA drive, B and C to the SATA power connector and the SATA data connector respectively on the system board.
Board Layout and Jumper Settings

**PS/2 Keyboard/Mouse Power Select JP13**
- +5V (default) 1-2 On
- +5V_standby 2-3 On

**USB Power Select:**
- 0-1 (JP1), 4-5 (JP10), 6-7 (JP11), 10-11 (JP9)
  - +5V 1-2 On
  - +5V_standby (default) 2-3 On

**Clear CMOS Data JP4**
- Normal (default) 1-2 On
- Clear CMOS Data 2-3 On

**Mini PCIe/mSATA Power Select JP3**
- +3V (Mini PCIe) (default) 1-2 On
- +3.3V (mSATA) 2-3 On

**Mini PCIe/mSATA Signal Select JP8**
- PCIe (default) 1-4-7-10
- 2-5-8-11 On
- mSATA 2-5-8-11
- 3-6-9-12 On

**SATA DOM Power Select JP22**
- +5V (default) 1-2 On
- GND 2-3 On

**Auto Power-on Select JP12**
- Power-on via power button (default) 1-2 On
- Power-on via AC power 2-3 On

**Digital I/O Power Select JP7**
- +5V_standby 1-2 On
- +5V (default) 2-3 On

**Digital I/O Output State:**
- DIO 3/5/7/9 (JP6), DIO 11/13/15/17 (JP5)
  - +5V or +5V_standby 1-2 On
  - GND (default) 2-3 On

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

<table>
<thead>
<tr>
<th>RS232 (default)</th>
<th>1-2 On</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS422 Full Duplex</td>
<td>3-4 On</td>
</tr>
<tr>
<td>RS485</td>
<td>5-6 On</td>
</tr>
</tbody>
</table>

### RS232/422/485 Select:

<table>
<thead>
<tr>
<th>RS232 (default)</th>
<th>1-3, 2-4 On</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS422 Full Duplex/RS485</td>
<td>3-5, 4-6 On</td>
</tr>
</tbody>
</table>

### SATA 1/ mSATA Signal Select

<table>
<thead>
<tr>
<th>SATA 1 (default)</th>
<th>1-4-7-10, 2-5-8-11 On</th>
</tr>
</thead>
<tbody>
<tr>
<td>mSATA</td>
<td>2-5-8-11, 3-6-9-12 On</td>
</tr>
</tbody>
</table>

Note:
1. SATA port 0 provides adequate space for SATA DOM.
6. When installing one DDR3L SODIMM only, make sure to install it into the SODIMM socket.