



EC200/210/220/221-BT Installation Guide



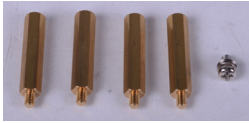
Package Contents

- 1 system unit
- 1 HDD drive bay kit
- Terminal blocks

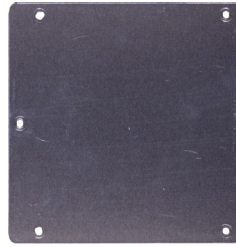
This QIG is based on versions that may not resemble your actual products. For the latest revision and more details of the installation process, please refer to the user's manual on the website.

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.



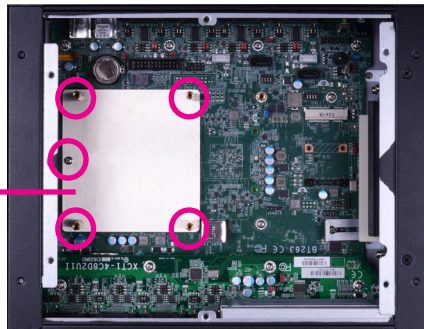
Mounting Screws



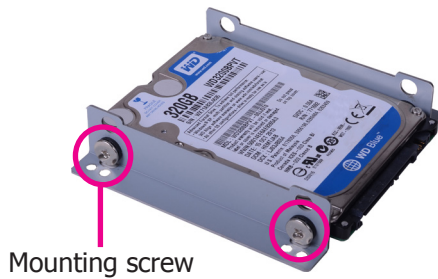
Protective plate



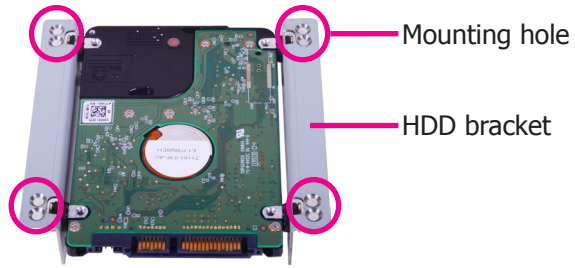
Heat-dissipating
plate



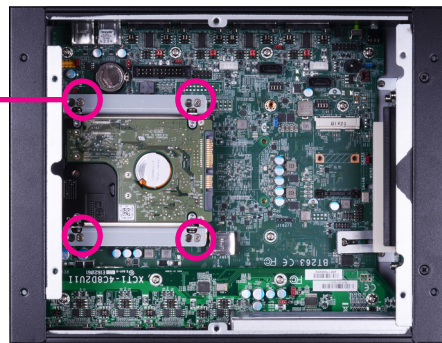
2. Align the mounting holes of the SATA drive with the mounting holes on the HDD brackets and then use the provided mounting screws to secure the drive in place.



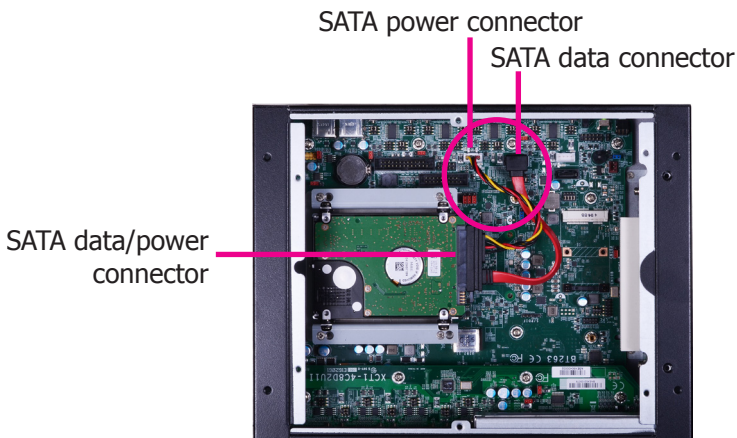
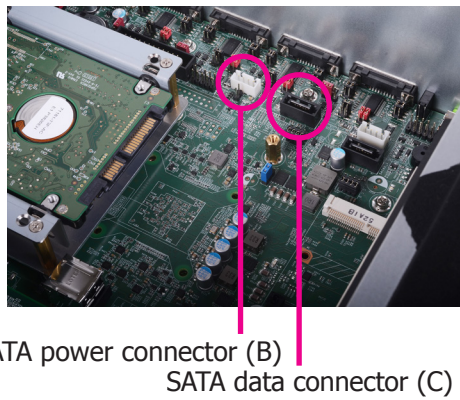
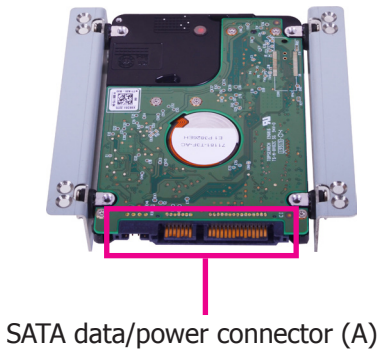
3. Place the SATA drive (with HDD brackets) into the system. Align the mounting holes on the HDD brackets with the mounting holes on the heat-dissipating plate and then use the provided mounting screws to secure the drive in place.



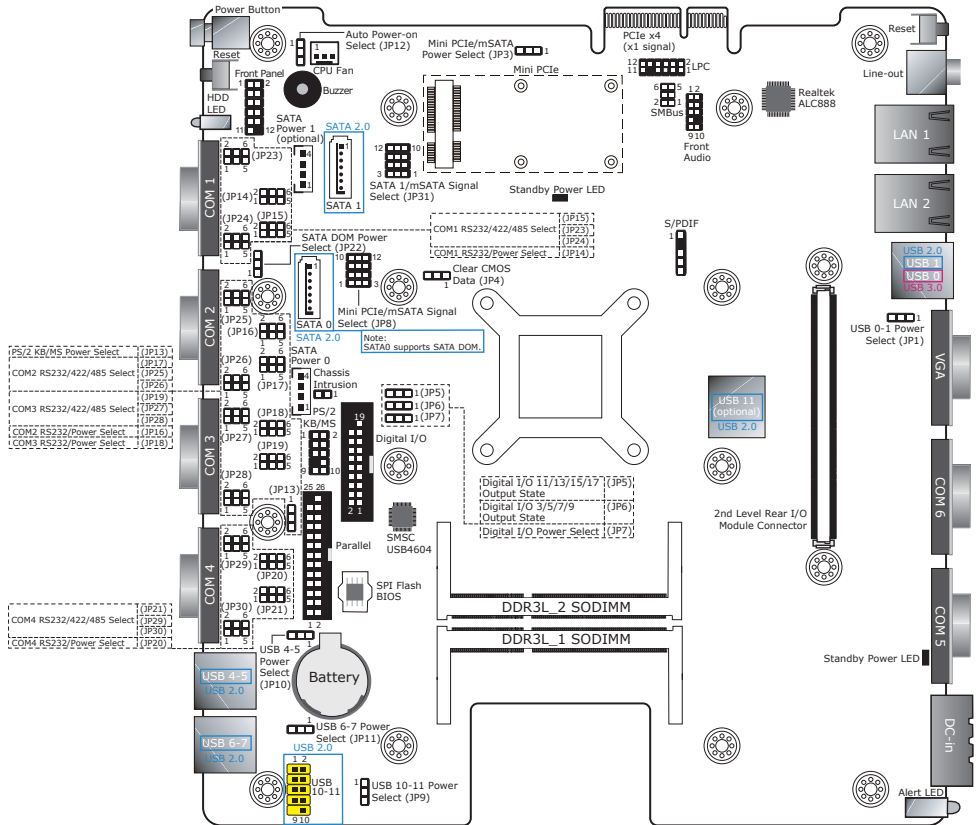
Mounting screw



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	
Normal (default)	1-2 On
Clear CMOS Data	2-3 On
Mini PCIe/mSATA Power Select	
+3V_standby (Mini PCIe) (default)	1-2 On
+3.3V (mSATA)	2-3 On
Mini PCIe/mSATA Signal Select	
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	
+5V (default)	1-2 On
GND	2-3 On
Auto Power-on Select	
Power-on via power button (default)	1-2 On
Power-on via AC power	2-3 On
Digital I/O Power Select	
+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: COM 1 (JP14), COM 2 (JP16), COM 3 (JP18), COM 4 (JP20)	
RS232 (default)	1-3 (RT), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

RS232/422/485 Select: COM 1 (JP15), COM 2 (JP17), COM 3 (JP19), COM 4 (JP21)	
RS232 (default)	1-2 On
RS422 Full Duplex	3-4 On
RS485	5-6 On

RS232/422/485 Select: COM 1 (JP23/24), COM 2 (JP25/26), COM 3 (JP27/28), COM 4 (JP29/30)	
RS232 (default)	1-3, 2-4 On
RS422 Full Duplex/RS485	3-5, 4-6 On

SATA 1/mSATA Signal Select	JP31
SATA 1 (default)	1-4-7-10 2-5-8-11 On
mSATA	2-5-8-11 3-6-9-12 On

Note:

1. SATA port 0 provides adequate space for SATA DOM.
2. When COM 1 RS232/422/485 is selected, JP23 and JP24 must be set in accordance to JP15.
3. When COM 2 RS232/422/485 is selected, JP25 and JP26 must be set in accordance to JP17.
4. When COM 3 RS232/422/485 is selected, JP27 and JP28 must be set in accordance to JP19.
5. When COM 4 RS232/422/485 is selected, JP29 and JP30 must be set in accordance to JP21.
6. When installing one DDR3L SODIMM only, make sure to install it into the SODIMM 1 socket.