

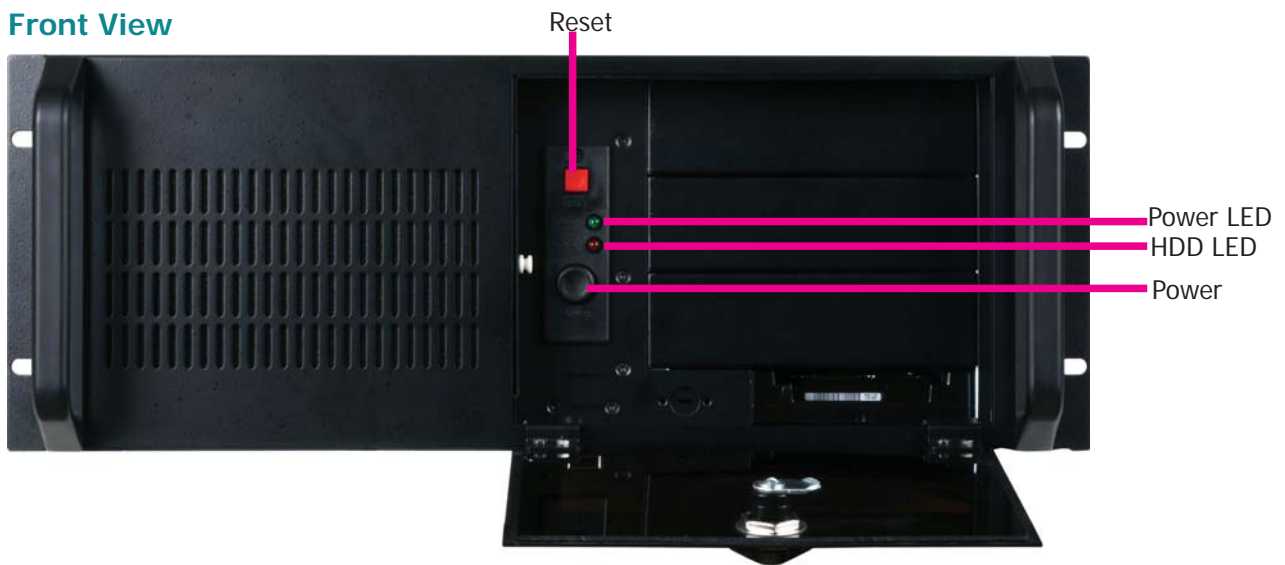
RM641-HD Installation Guide

Package Contents

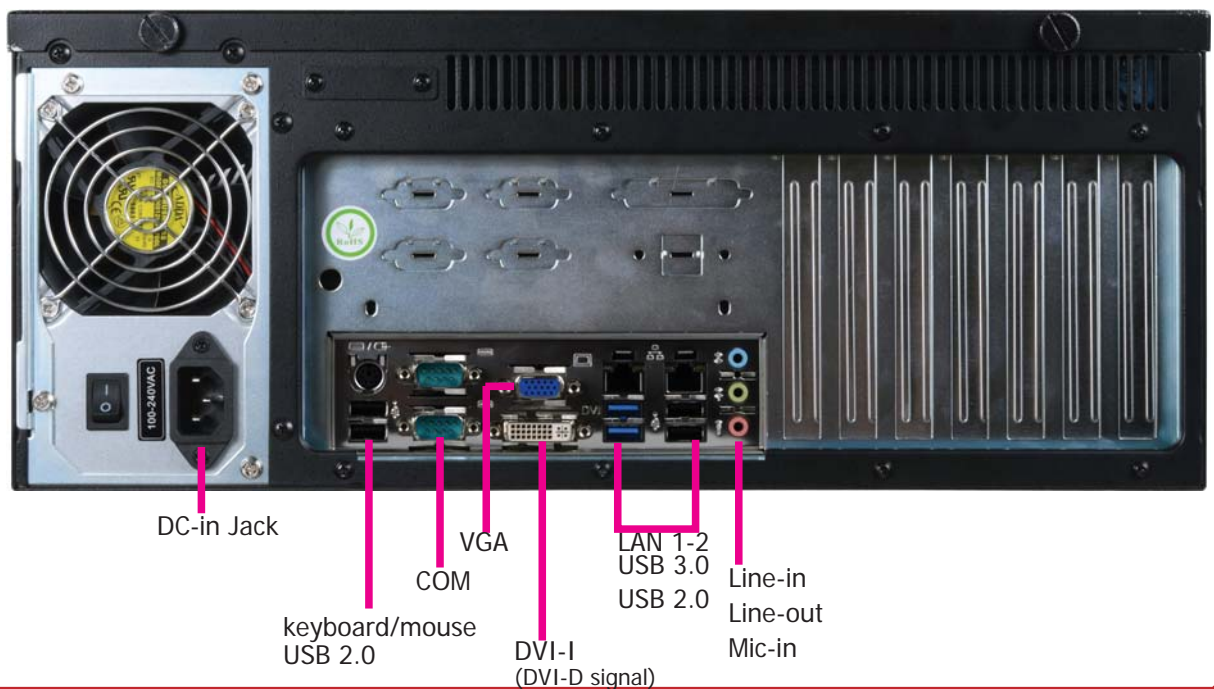
- 1 RM641-HD system unit
- 1 Quick Installation Guide
- 1 CD disk includes:
 - Drivers / Manual

Panel

Front View



Rear View

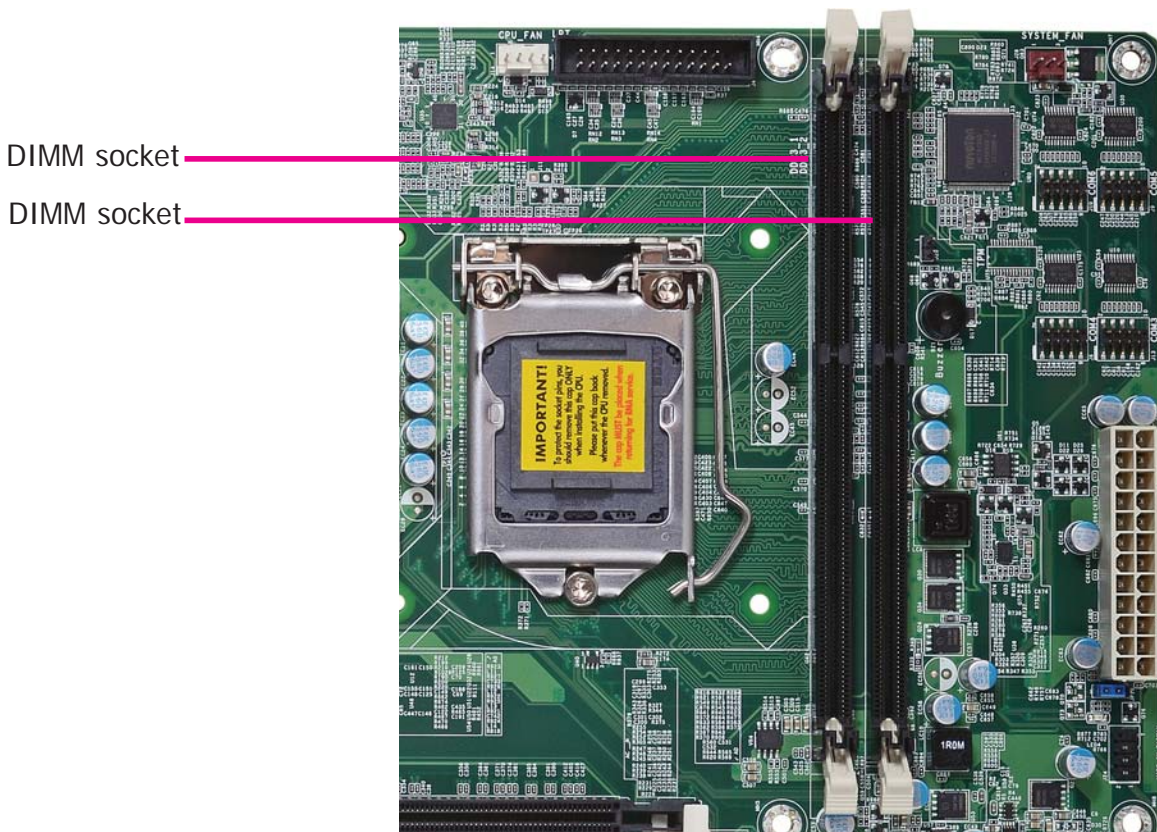


DFI reserves the right to change the specifications at any time prior to the product's release. For the latest revision and more details of the installation process, please refer to the user's manual.



Removing the Chassis Cover

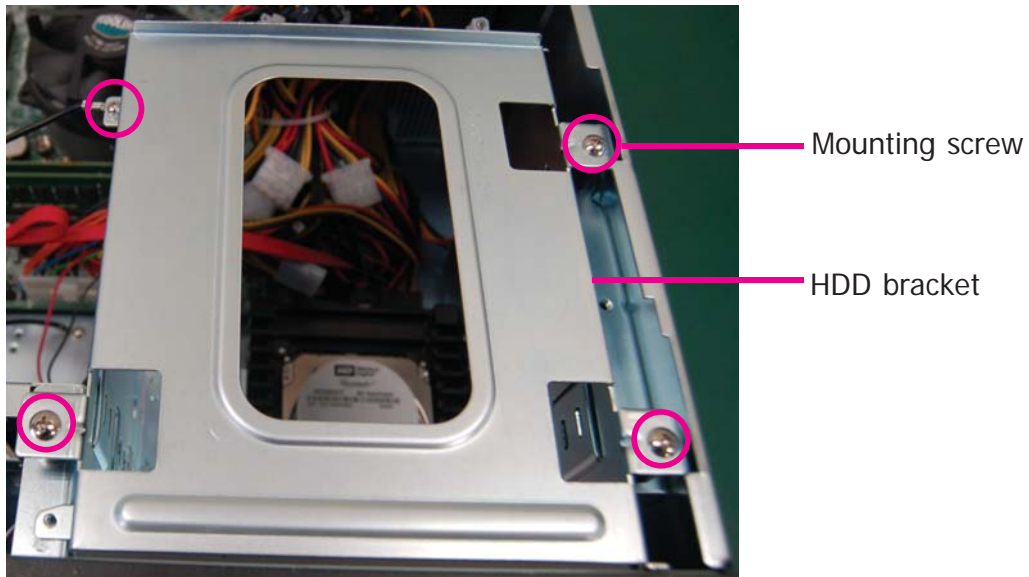
1. Before removing the chassis cover, make sure the system and all other peripheral devices connected to it have been powered-off.
2. Disconnect all power cords and cables.
3. Remove the 2 mounting screws to open the top cover.
4. You can install DDR3 or DDR3L DIMMs into the memory sockets. The system supports dual channel architecture.



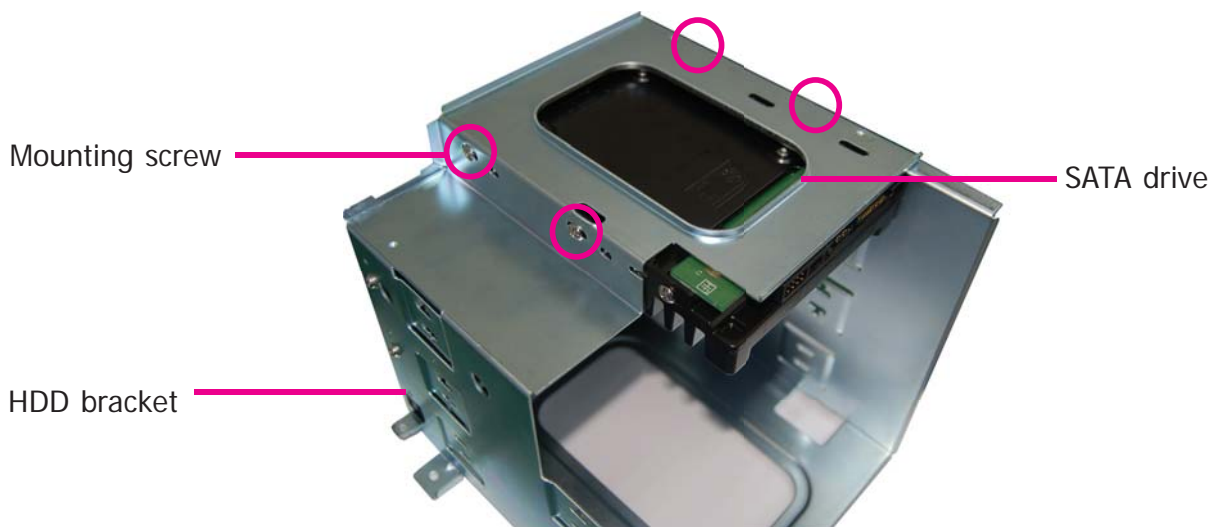


Installing a SATA Drive

1. Unfasten the 4 mounting screws that secure HDD bracket to the system.

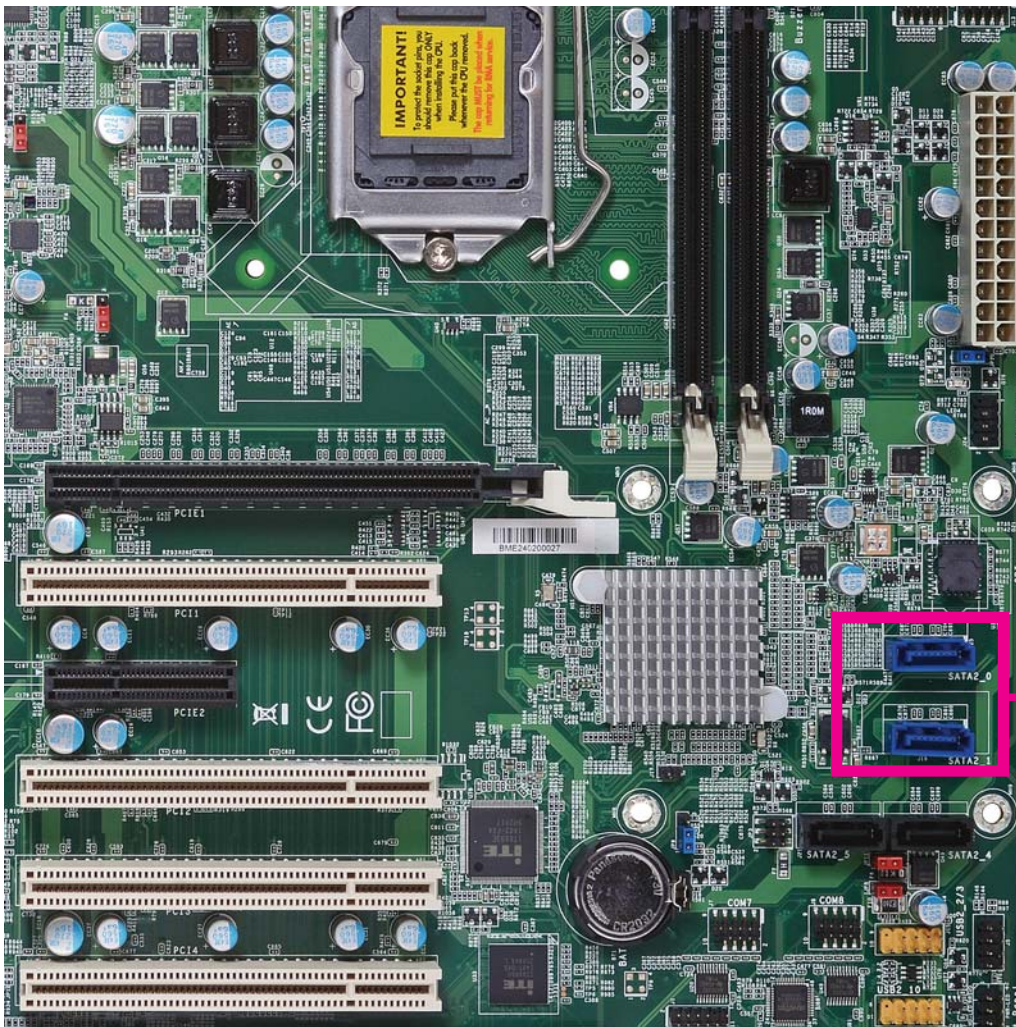


2. Secure the hard drive to the HDD bracket. Align the mounting holes of the SATA drive with the mounting holes on the HDD bracket and then use the mounting screws to secure the drive in place. Use 4 mounting screws to install the hard drive onto the HDD bracket.



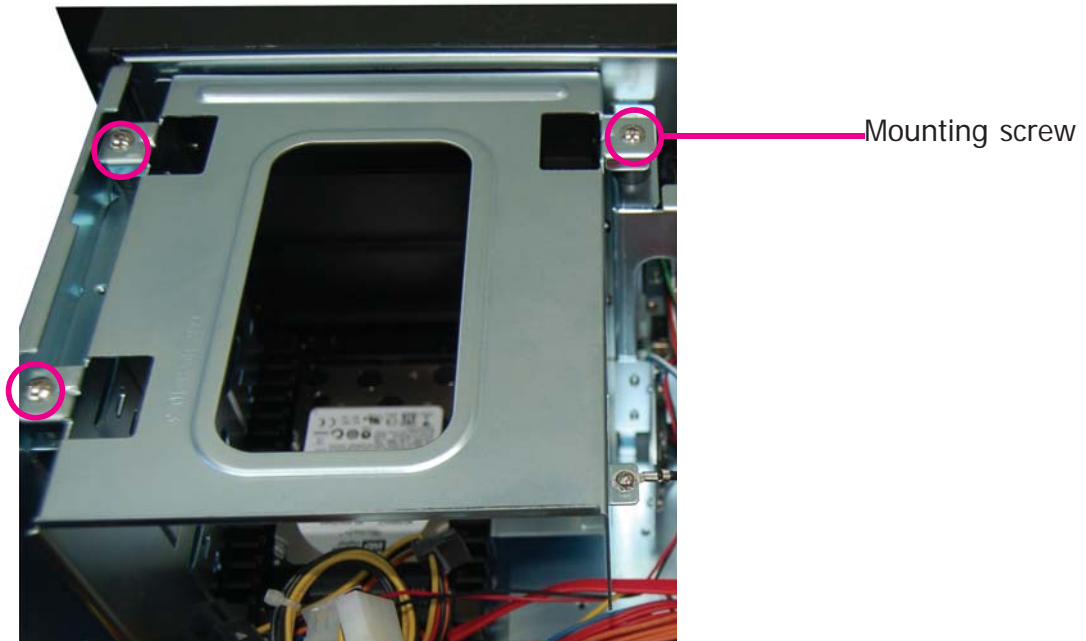
3. Connect the SATA data cable and SATA power cable to the connectors on the SATA drive. Then connect the SATA data cable to the SATA port on the system board.

SATA power and data connector



SATA 3.0 port

4. Install the HDD bracket back to the system.

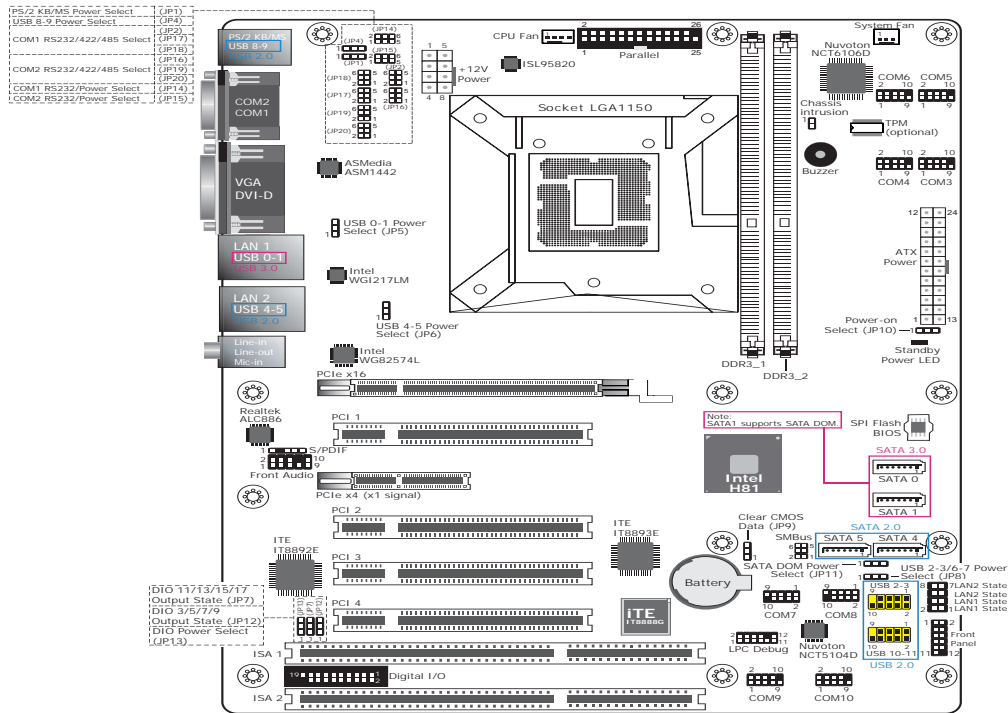


Note:

The system can accommodate 4 disks (3.5" or 2.5"). However, 3.5" to 5.25" or 2.5" to 5.25" drive mounting bracket adapters will be required to install HDDs in the optical bays.



Board Layout and Jumper Settings



Clear CMOS	JP9
Normal (default)	1-2 On
Clear CMOS	2-3 On

PS/2 Keyboard/Mouse Power Select	JP1
+5V (default)	1-2 On
+5V standby	2-3 On

USB Power Select:	
USB 0~1 (JP5), USB 4~5 (JP6), USB 2~3/6~7 (JP8), USB 8~9 (JP4)	
+5V (default)	1-2 On
+5V_standby	2-3 On

Power-on Select	JP10
Power-on via power button (default)	1-2 On
Power-on via AC power or via WOL after G3 state	2-3 On

RS232/RS422/RS485 Select : COM1 (JP2), COM2 (JP16)		RS232/RS422/RS485 Select : COM1 (JP17, JP18), COM2 (JP19, JP20)	
RS232 (default)	1-2 On	RS232 (default)	1-3, 2-4 On
RS422 Full Duplex	3-4 On	RS422 Full Duplex/RS485	3-5, 4-6 On
RS485	5-6 On		

- Note:
- When COM 1 RS232/422/485 is selected, JP17 and JP18 must be set in accordance to JP2.
 - When COM 2 RS232/422/485 is selected, JP19 and JP20 must be set in accordance to JP16.

RS232 Power Select: COM1 (JP14), COM2 (JP15)	
RS232 (default)	1-3 (RI), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

SATA DOM Power Select	JP11
GND (default)	1-2 On
+5V	2-3 On

Note: SATA1 supports SATA DOM.

Digital I/O Output State: DIO 3/5/7/9 (JP12), DIO 11/13/15/17 (JP7)	
+5V or +5V_standby (default)	1-2 On
GND	2-3 On

Digital I/O Power Select	JP13
+5V_standby (default)	1-2 On
+5V	2-3 On