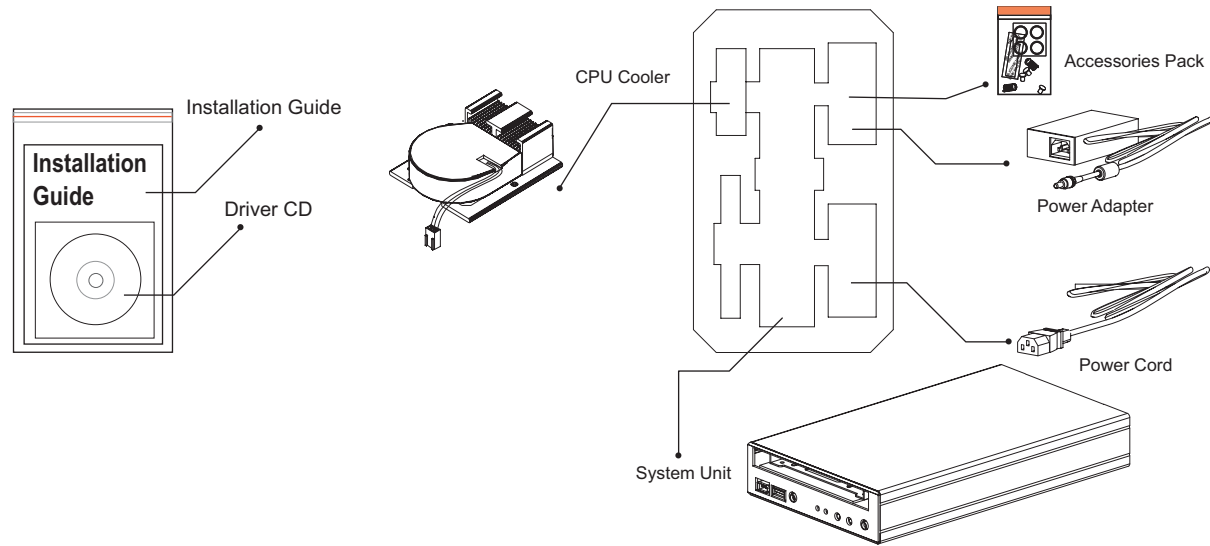


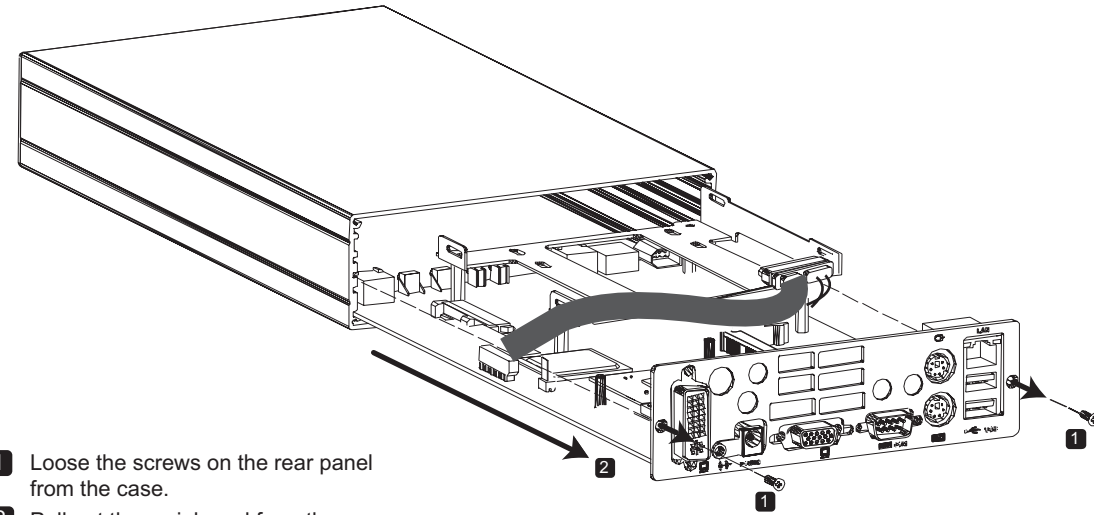
INSTALLATION GUIDE

M1645M_MG

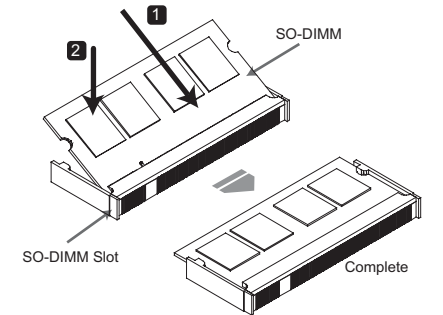
Item Checklist



Barebone System Unpacking Guide

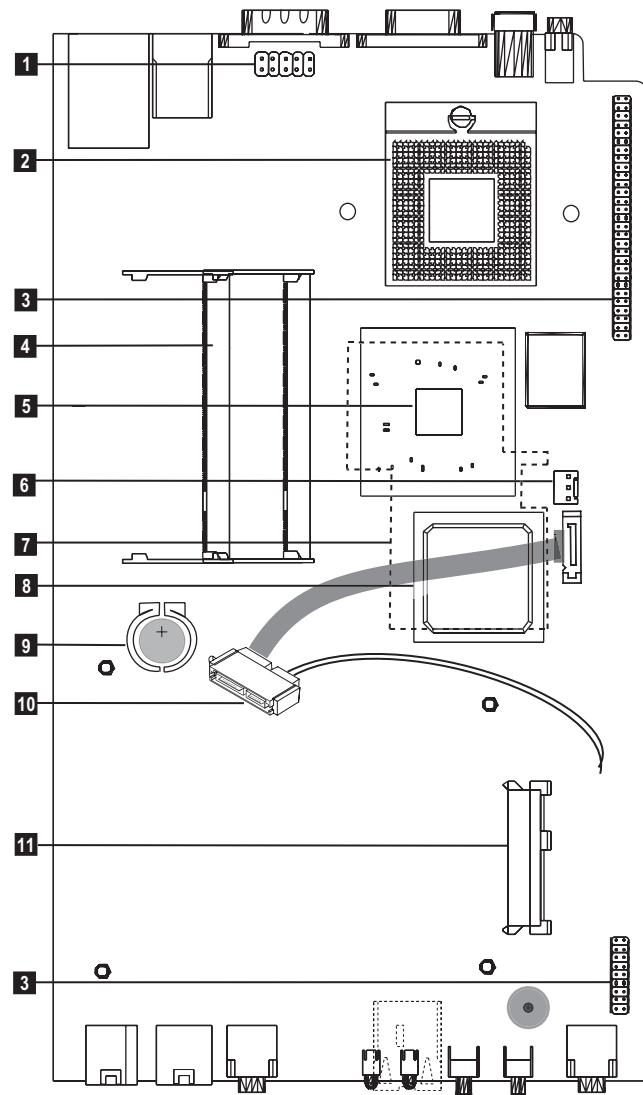


Install Memory



- Insert SO-DIMM into the SO-DIMM slot on the motherboard by 30°.
- Push down the SO-DIMM onto DIMM slot.

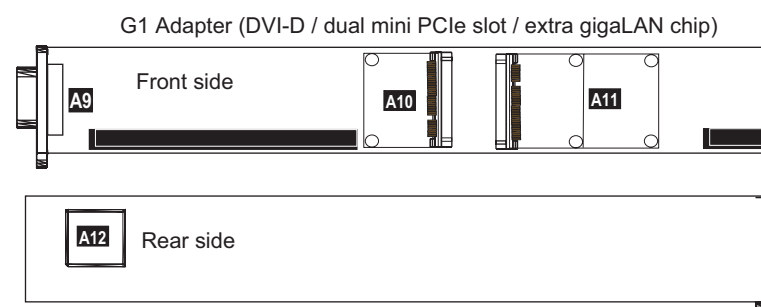
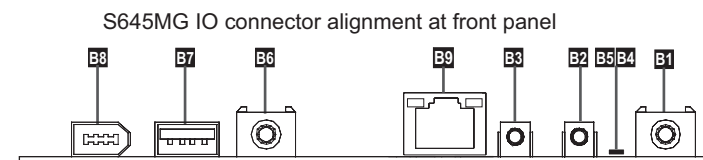
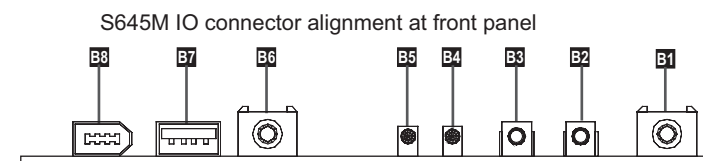
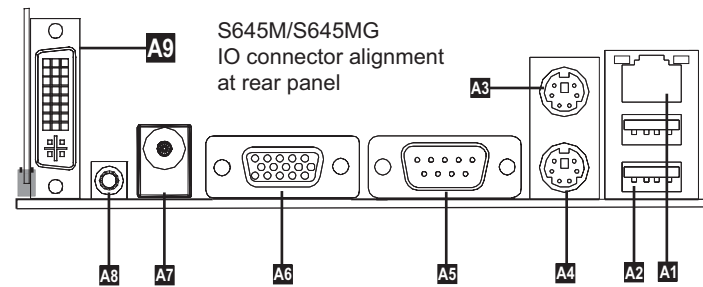
Mainboard and Optional Daughter Boards' Layout



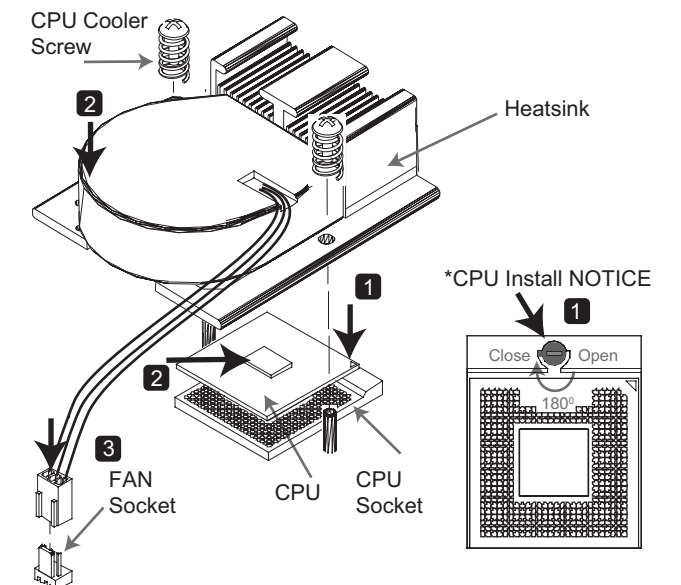
1	Optional COM 2 Connector
2	CPU Socket
3	Multi-function Slot for G1 Adapter
4	SO-DIMM Slots
5	Intel GM45 Chip
6	CPU Cooling Fan Connector
7	Chipset Heat Sink
8	Intel ICH9M Chip
9	CMOS Battery
10	SATA CD-ROM Drive Cable
11	SATA HDD Connector

A1	RJ45 LAN Port
A2	USB Ports
A3	PS/2 Mouse Port
A4	PS/2 Keyboard Port
A5	RS233/COM 1 Port
A6	VGA Port
A7	DC 12V Power In
A8	Line-Out Port
A9	DVI-D Port
A10	Half Size Mini PCIe Slot
A11	Full Size Mini PCIe Slot
A12	GigaLAN Chip (S645MG only)

B1	Mic-In Phone Jack
B2	Power Button
B3	Reset Button
B4	HDD LED
B5	Power LED
B6	Ear Phone Jack
B7	USB Port
B8	Firewire(1394) Port
B9	RJ45 LAN Port (S645MG only)



Install CPU & CPU Cooler





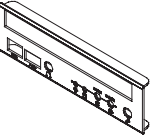
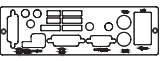
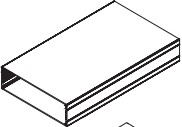
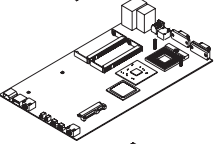
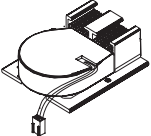

- Install CPU into CPU socket. Match socket pin 1 and CPU cut edge. Screw down the black button to fasten the CPU.
- Glue the heatsink compound on the CPU die surface. Install CPU cooler on top of CPU. Tighten CPU cooler with screws into pillaret.
- Connect CPU FAN connector to mainboard CPU FAN socket.

*CPU Install NOTICE










Specifications are for reference only and subject to change without notice.

Hardware Installation

Part List

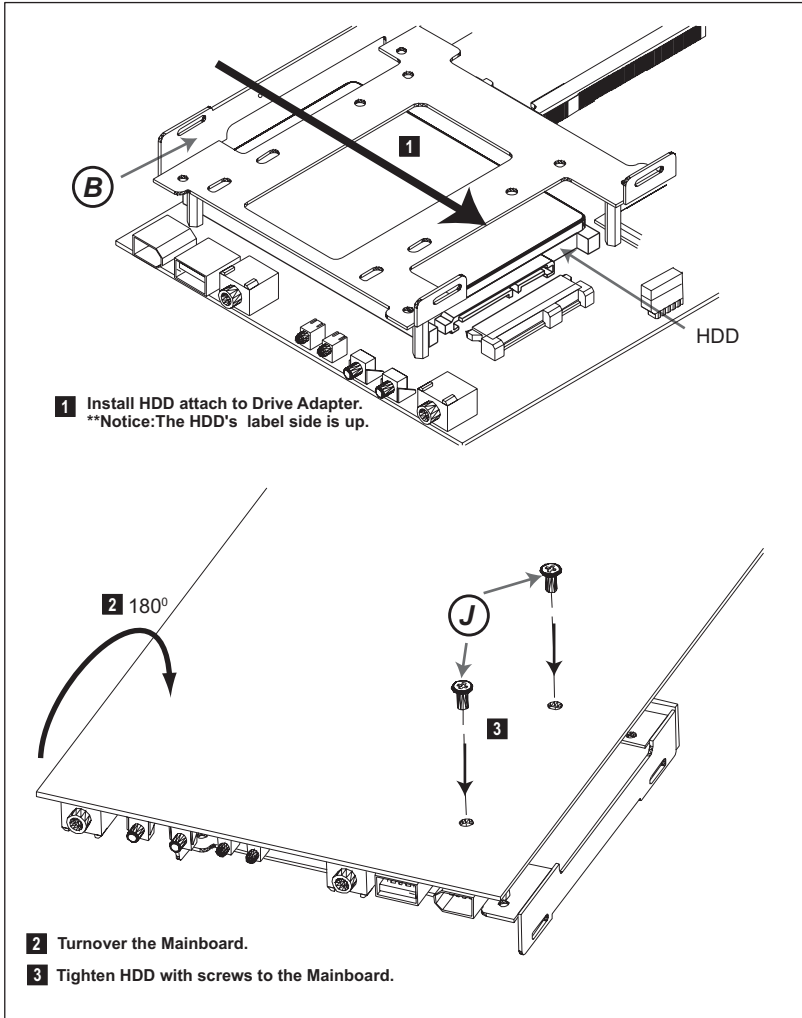
- (A) COM/DVI Screws (* 6) 
- (B) CD-ROM Drive Bracket 
- (C) Front Panel 
- (D) Rear Panel 
- (E) Case 
- (F) Mainboard 
- (G) CPU Cooler 
- (Q) G1 Adapter 

Accessory Pack

- (H) EMI Sticker (*2) 
- (I) Rubber Stand (*4) 
- (J) 2.5" HDD Screws (* 5) 
- (K) CD-ROM Screws (* 5) 
- (L) Case Screws (* 2) 
- (M) CPU Cooler Screws (* 2) 
- (N) CPU Cooler Paste (* 1) 
- (O) Mini card screw * 4 
- (P) Mini card spacer and fastener * 8 

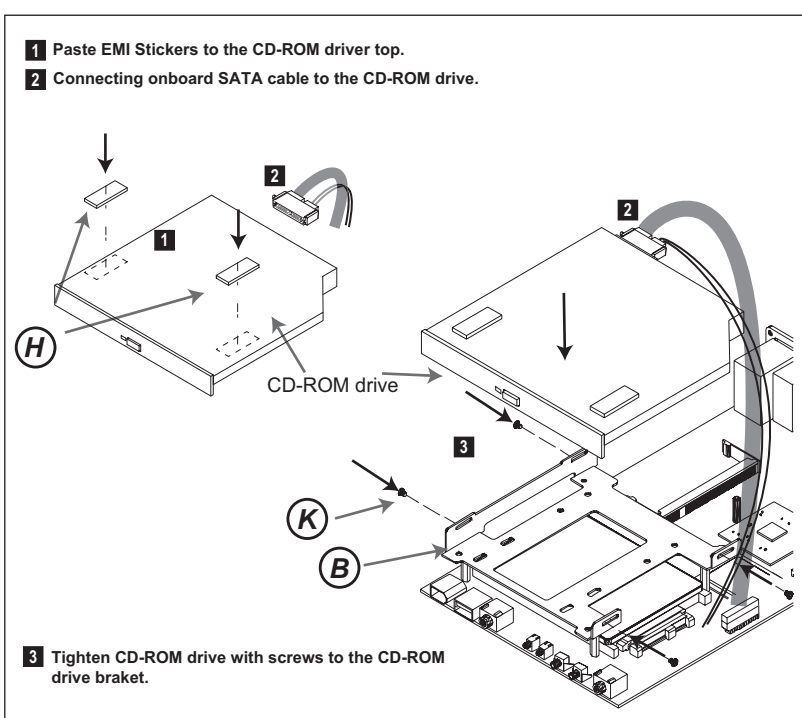
STEP 1

Install Slim HDD



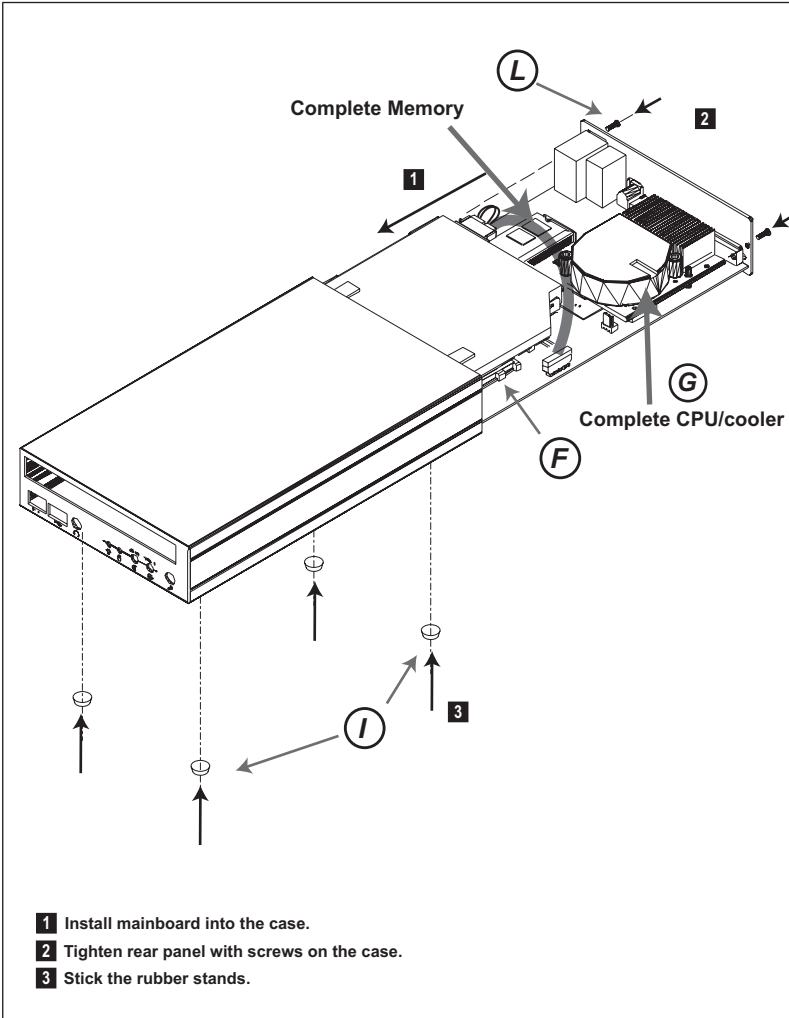
STEP 2

Install CD-ROM

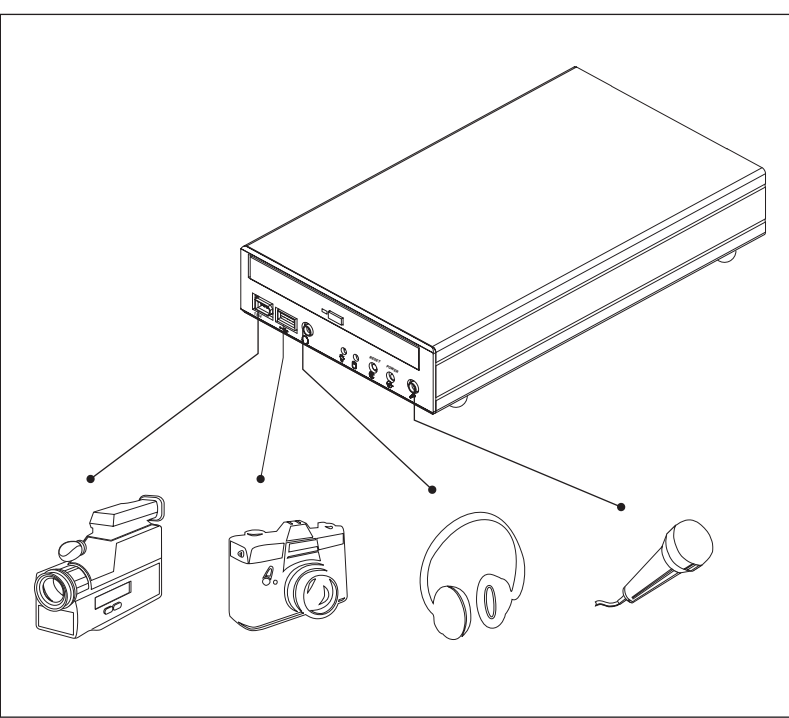


STEP 3

Install Case



Complete System



WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio TV technician for help.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equivalent.

The system uses entire casing for partial heat dissipation, so the normal operating temperature is between 40°C ~ 55°C.