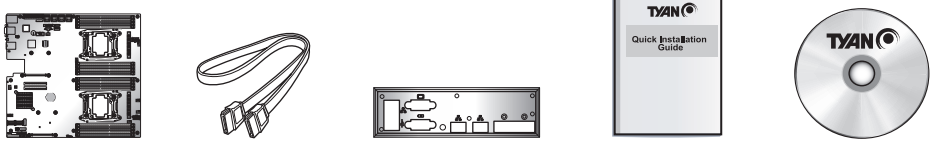
S7076 Quick Installation Guide

Document # D2279-110 / Revision 1.1

Read Me First

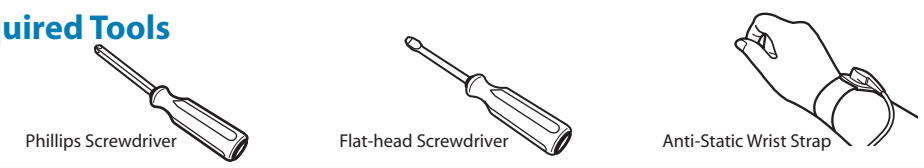
1. The motherboard User's Manual is available for download from our Web site at http://www.tyan.com. Make sure to read all precautions and instructions before you start installing the server board.
2. Refer all servicing to qualified personnel to avoid the risk of damage to the server board.
3. Exercise normal ESD (Electrostatic Discharge) procedures during system integration. TYAN/MiTAC recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.
4. Current processor socket design places the pins on the motherboard instead of the processor itself. Exercise extreme caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

Package Contents



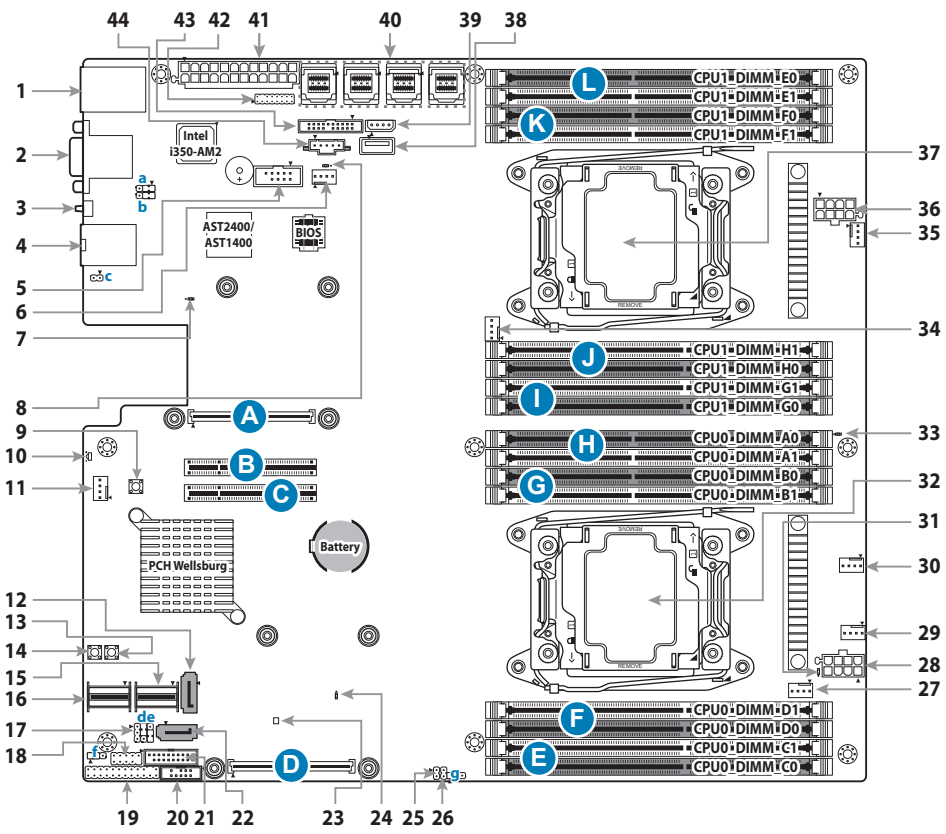
Server Board x 1 | SATA Cable x 2 | Rear I/O Shield x 1 | Quick Installation Guide x 1 | Driver's and Utilities CD x 1

Required Tools



Phillips Screwdriver | Flat-head Screwdriver | Anti-Static Wrist Strap

Motherboard Placement



CONNECTORS

1 RJ45 LAN Port #2 (LAN2) + USB 3.0 Ports (J25)
2 VGA Port / COM1 Port (J47)
3 ID LED Button (SW3)
4 RJ45 LAN Port #1 (LAN1) (J38)
5 COM2 Header (J68)
6 SYS_FAN_4 (J31)
7 BMC LED (LED1)
8 PSU Alert LED (LED10)
9 Clear CMOS Button (SW4)
10 Rear ID LED (LED7)
11 SYS_FAN_5 (J32)
12 7-pin Vertical SATA3.0 Connector (SATA5) (J46)
13 Reset Button (SW2)
14 Power Button (SW1)
15 SATA0~SATA3 (J41)
16 sSATA0~sSATA3 (J42)
17 HOST SMBUS Header (J61)
18 USB2.0 Header (J37)
19 Front Panel Header (J50)
20 PCH SATA SGPIO Header for BB HD Board (J43)
21 USB3.0 Header (J36)
22 7-pin Vertical SATA3.0 Connector (SATA4) (J45)
23 PCH PWROK LED (LED2)
24 CAT Error LED (LED3)
25 ID LED Button Header (Rear IDLED Header) (J56)
26 Chassis Intrusion Header (J57)
27 CPU0 FAN (J28)
28 SSI 8-pin CPU0 Power Connector (PW1)
29 SYS_FAN_3 (J35)
30 SYS_FAN_2 (J34)
31 CPU0 PWOK LED (LED8)
32 CPU0 Socket (U1)
33 CPU1 PWOK LED (LED9)
34 CPU1 FAN (J30)
35 SYS_FAN_1 (J33)
36 SSI 8-pin CPU1 Power Connector (PW3)
37 CPU1 Socket (U2)
38 Vertical Type-A USB2.0 Connector (J40)
39 IPMB Pin Header (J51)
40 NVMe (PCI-E x4) Connectors (J20/J21/J22/J23)
41 ATX 24-pin Power Connector (PW2)
42 TYAN Module Header (J48)
43 FAN Header for BB FAN Board (J29)
44 PSMI Pin Header (J49)

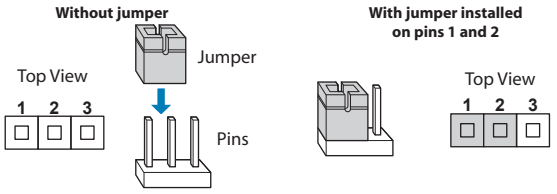
SLOTS

A OCP slot for OCP Mezz card (J26)
B PCI-E 3.0x8 slot(x8link, open-end type) (#PCIe-6.5) (J18)
C PCI-E 3.0x8 slot(x8link, open-end type) (#PCIe-6) (J19)
D Proprietary slot for SAS Mezz card (J27)
E CPU0_DIMM_C0 / CPU0_DIMM_C1 (J5 / J6)
F CPU0_DIMM_D0 / CPU0_DIMM_D1 (J7 / J8)
G CPU0_DIMM_B0 / CPU0_DIMM_B1 (J3 / J4)
H CPU0_DIMM_A0 / CPU0_DIMM_A1 (J1 / J2)
I CPU1_DIMM_G0 / CPU1_DIMM_G1 (J13 / J14)
J CPU1_DIMM_H0 / CPU1_DIMM_H1 (J15 / J16)
K CPU1_DIMM_F0 / CPU1_DIMM_F1 (J11 / J12)
L CPU1_DIMM_E0 / CPU1_DIMM_E1 (J9 / J10)

JUMPERS

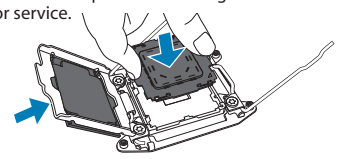
a COM2 or COM5 Selected Jumper (J64)
b COM2 or COM5 Selected Jumper (J63)
c BMC Reset Header (J55)
d BIOS Recovery Mode Jumper (J58)
e NMI Jumper (J67)
f ME Recovery Mode Jumper (J62)
g ME Security Override Jumper (J60)

Jumper Cap On/Off



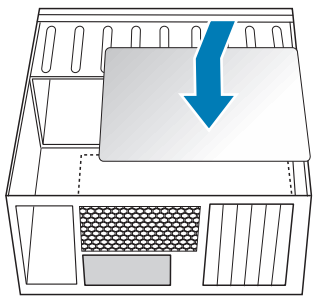
DOA/ RMA Reminder

NOTE: Please save and replace the CPU protection cap when returning the server board for service.

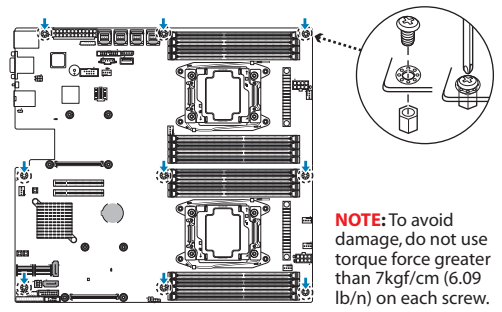


1 Install the Server Board

1. Insert the server board into the chassis.



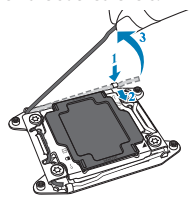
2. Attach the server board to the chassis by securing the screws on the designated locations.



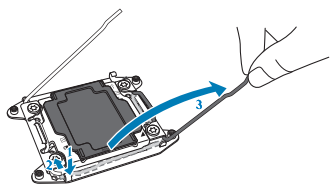
NOTE: To avoid damage, do not use torque force greater than 7kgf/cm (6.09 lb/n) on each screw.

2 Install the Processor

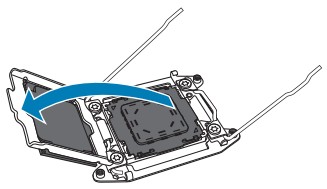
1. Open the socket levers.



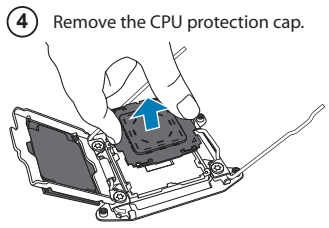
2. Open the other socket lever.



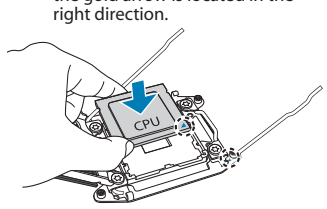
3. Open the CPU socket cover.



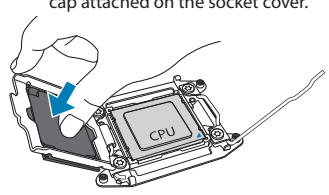
4. Remove the CPU protection cap.



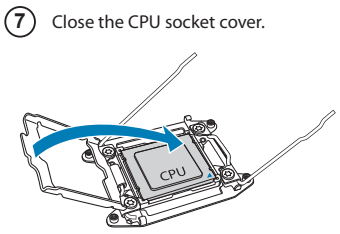
5. Install the processor and make sure the gold arrow is located in the right direction.



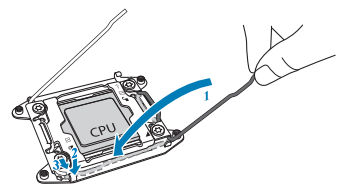
6. Remove the other CPU protection cap attached on the socket cover.



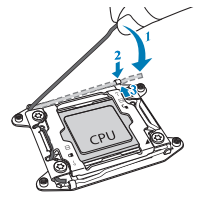
7. Close the CPU socket cover.



8. Close the socket levers.

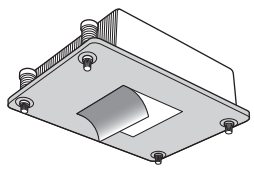


9. Close the other socket lever.

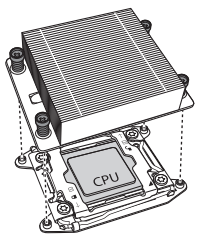


3 Install the CPU Heatsink

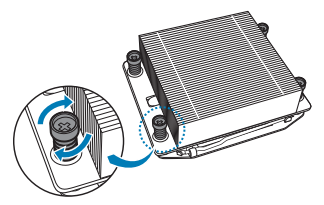
1. Remove the protective sheet.



2. Install the CPU heatsink.

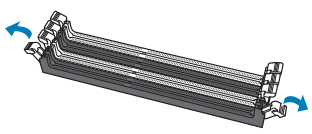


3. Secure the heatsink screws.

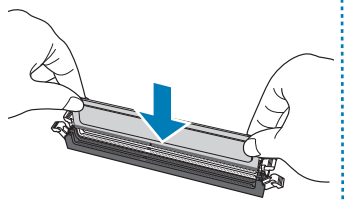


4 Install the Memory

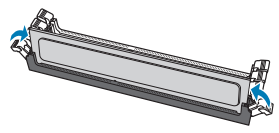
1. Unlock the clips.



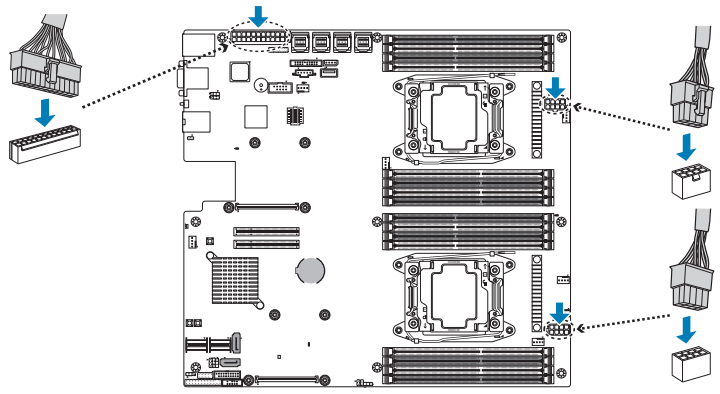
2. Insert the memory module.



3. Lock the clips.



5 Install the Power Cable



Locate the External I/O Ports

