

General Information

Read Me First

- 1. The Barebone 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 system.
- 2. Refer all servicing to qualified personnel to avoid the risk of damage to the server system.

M1713F77C-FPB

Front Panel Board x1

(pre-installed)

- 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 caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

3,200W (80+ Platinum) w/ PFC redundant power supply x(2+1)

M7059F77-D-PDB

(pre-installed)





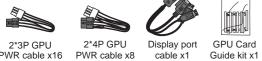


















M2210-L8-1F

Riser Card x1

(pre-installed)



AC power cord AC power Cord Mounting TYAN® Installation



120*120*38 system fans x(5+1) (pre-installed)

M1809F77A-FB Fan Board x1

M1262F77B-BP6-10 HDD Backplane x1

Required Hardware Components

Minimum Hardware Requirements

- To avoid integration difficulties and possible board damage, your system must meet the following minimum requirements: Processor: Intel® Xeon® E5-2600 v3 series processors
- Memory Type: Minimum of one 1GB, 240-pin DDR3 2133/1866/1600/1333 MHz DIMMs
- Hard Disk Drives: 2.5"/3.5" SATA/SAS HDD Rack Mount Kit (Industry 19" rack-mountable)
- NOTE: The updated hardware requirements of the system please refer to the barebones user's manual on our website at

Tools Required

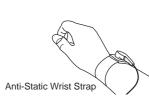
2*3P GPU



Motherboard Placement



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202122 23 2425 26 27 2829 30 3132 33 34 35

2 System Installation

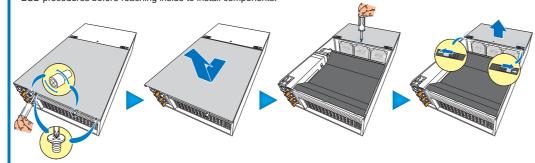


Open the Chassis

Preparing the Chassis

Read normal ESD (Electrostatic Discharge) procedures.

Place your TYAN® Server Chassis on a flat anti-static surface to perform the following integration procedures. Read ESD procedures before reaching inside to install components.



Loosen the two (2) thumb screws and remove the two (2) back top cover.

2 Slide the back top cover and remove. 3 Remove the screw from the top front cover.

4 Release the latches and remove the front top

Mini SAS Connector (SSATA0~3) (J32)

Mini SAS Connector (SATA0~3) (J42)

6-pin Fan Connector (SYS_FAN3) (J74)

6-pin Fan Connector (SYS_FAN2) (J75) 6-pin Fan Connector (SYS_FAN1) (J76)

PCIE x 8 Connector for Mezzanine Card PCIE x 16 # 15 Connector (J14)

BIOS Advanced Mode Jumper

BIOS Recovery Mode Jumper

ME Recovery Mode Jumper

Security Override Mode Jumper

NOTE: There is risk when setting the jumper by yourself.

Type-A USB Header (J59) Type-A USB Header (J58)

CPU0 Fan Connector (J41)

Serial ATA Connector (J57)

Serial ATA Connector (J56)

Chassis Intrusion Header (J38)

Front Panel Connector (J60) Power Connector (PW1)
ID LED Button Header (J46)

CPU1 Fan Connector (J43)

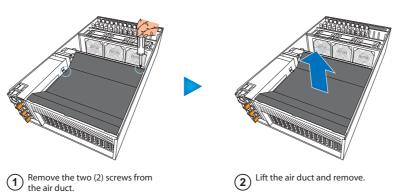
Power Connector (PW2) Power Connector (J36)

Front USB3.0 Header

28. 29.

32. 33.

Remove the Air Duct



CONNECTORS

ID LED (LED1)

Display Input Connector (J3) LAN Port # 2 Connector (J2) LAN Port # 1 Connector (J1)

PCIE x 16 # 13 Connector (J13)

PCIE x 16 # 11 Connector (J12)

PCIE x 1 # 10 Connector (J17)

PCIE x 16 # 9 Connector (J11)

PCIE x 8 # 8 Connector (J6)

PCIE x 16 # 7 Connector (J10) PCIE x 1 # 6 Connector (J16)

PCIE x 16 # 5 Connector (J9)

COM2 Connector (J24) PCIE x 16 # 3 Connector (J8) PCIE x 1 # 2 Connector (J15) PCIE x 16 # 1 Connector (J7)

Reset Button (SW3)

SLOTS

Power Button (SW2) COM1 Connector (J25) Fan Connector for BB (J35)

CPU1 DIMM Slots (Channel A)

CPU1 DIMM Slots (Channel B)

CPU1 DIMM Slots (Channel D) CPU1 DIMM Slots (Channel C)

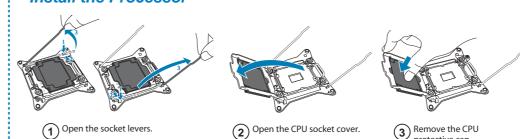
CPU0 DIMM Slots (Channel A)

CPU0 DIMM Slots (Channel B)

CPU0 DIMM Slots (Channel D)

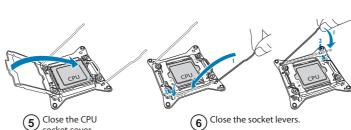
CPU0 DIMM Slots (Channel C)

Install the Processor

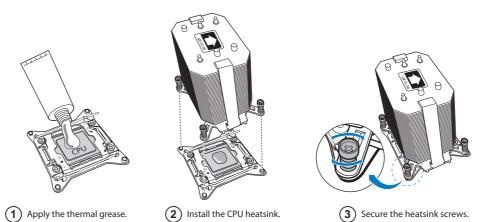


4 Install the processor and make sure the gold arrow is located in

the right direction.



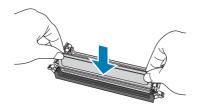
Install the CPU Heatsink



Install the Memory



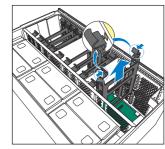
1 Unlock the clips.



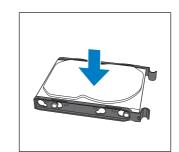
(2) Insert the memory module.

(3) Lock the clips.

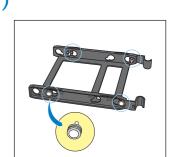
Install the Hard Disks (3.5")



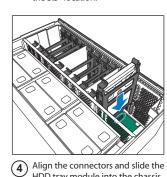
1 Press the locking levers and



(3) Install the HDD into the locks on HDD tray.

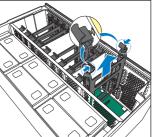


Adjust the four (4) HDD locks to the 3.5" location.

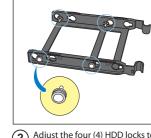


HDD tray module into the chassis.

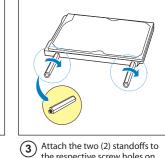
Install the Hard Disks (2.5")



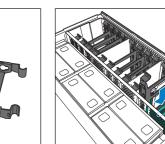
1 Press the locking levers and slide the HDD tray out.



Adjust the four (4) HDD locks to the 2.5" location.



the HDD.

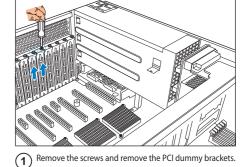


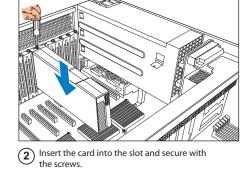
Install the HDD into the locks on

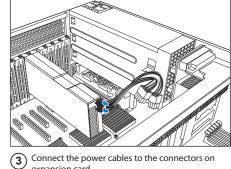
Align the connectors and slide the

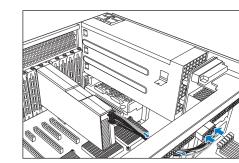
HDD tray module into the chassis

Installing the Add-On card (Optional)









Connect the power cables of the expansion card to the connectors on power distribution board (PDB).

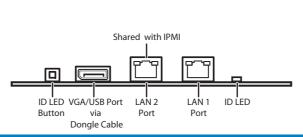
NOTE: 1. Connect the add-on power cable to the connector of the add-on module. Please refer to the barebone user's manual on our web site at http://www.tyan.com for more details.

2. When install the memory which near USB 3.0 cable, the cable must be disconnect first. 3. Only SKU B7079F77CV10HR-X, B7079F77CV10HR-N with installed air duct in the chassis.



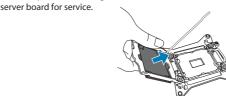
3 I/O Ports

Locate the External I/O Port



4 Caution

CPU Cover for DOA/RMA



NOTE: Please save and replace the CPU

protection cap when returning the server board for service.