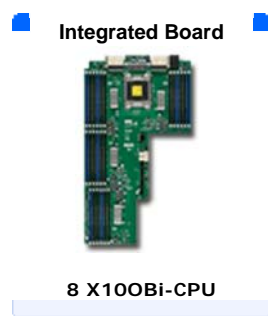




# SuperServer 7088B-TR4FT (Complete System Only)

Products > Systems > 7U > [ 7088B-TR4FT ]



Views: | [Angled View](#) | [Node View](#) | [Top View](#) | [Rear View](#) |

Due to the complexity of integration, this product is sold as completely assembled systems only (including but not limited to CPUs, memory, and HDDs). Please contact your Supermicro sales rep for special requirements.

192/128/64 DIMMs are the recommended memory population configurations for the best performance.

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Manuals](#) | [OS Certification Matrix](#) | [Drive Options](#)

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

### Key Features

1. Eight socket R1 (LGA 2011) supports Intel® Xeon® processor E7-8800 v4/v3 family (up to 24-Core)
2. Up to 24TB in 192 DDR4 DIMM slots
3. Up to 15 PCI-E 3.0 slots (8 x16, 7 x8 in x16)
4. 4 10Gb LAN (SIOM), 1 dedicated LAN for IPMI Remote Management, 1 VGA, 2 USB 2.0, 1 COM via KVM
5. Up to 12 Hot-swap 2.5" SAS3 HDDs (w/ RAID cards), 20x 2.5" or 6x 3.5" internal HDDs (w/ RAID cards)
6. 8x 9cm Hot-swap counter-rotating rear fans
7. 5x 1600W Redundant (N+1) Power Supplies, **Titanium Level (96%)**



[90TB DWFT For Microsoft® SQL Server® 2016](#)

### Specifications

<b>Product SKUs</b>	
<b>SYS-7088B-TR4FT</b>	■ SuperServer 7088B-TR4FT (Black)
<b>Motherboard</b>	
Super X100Bi-CPU	
<b>Processor/Cache</b>	
<b>CPU</b>	■ Intel® Xeon® processor E7-8800 v4/v3 family (up to 24 Cores and 165W TDP) ■ Socket R1 (LGA 2011)
<b>Cache</b>	■ Up to 60 MB
<b>System Bus</b>	■ QPI up to 9.6 GT/s
<b>System Memory</b>	
<b>Memory Capacity</b>	■ 192x 288-pin DDR4 DIMM slots ■ Supports up to 24TB DDR4 ECC 3DS LRDIMM in 192 DIMM slots
<b>Memory Type</b>	■ 2400*/2133*/1866/1600/1333MHz ECC DDR4 SDRAM 72-bit, 288-pin gold-plated DIMMs * Run up to 1866MHz depend on setting.
<b>DIMM Sizes</b>	■ 128GB, 64GB, 32GB, 16GB, 8GB, 4GB
<b>Memory Voltage</b>	■ 1.2 V

<b>Chassis</b>	
<b>Form Factor</b>	■ 7U Rackmountable ■ Rackmount Kit: Comes with the system
<b>Model</b>	■ CSE-718TQC-R4800B
<b>Dimensions and Weight</b>	
<b>Height</b>	■ 12.2" (310mm)
<b>Width</b>	■ 17.63" (448mm)
<b>Depth</b>	■ 28.87" (733mm)
<b>Weight</b>	■ Gross Weight: 208 lbs (93.35 kg)
<b>Available Colors</b>	■ Black
<b>Drive Bays</b>	
<b>Hot-swap</b>	■ 12 Hot-swap 2.5" SAS3 drive bays (w/ RAID cards) ■ 20x 2.5" or 6x 3.5" internal drive bays (w/ RAID cards)
<b>Expansion Slots</b>	
<b>PCI-Express</b>	■ 15 PCI-E 3.0 FH slots total ■ 8 PCI-E 3.0 x16 + 7 PCI-E 3.0 x8 (in x16) slots ■ Up to 16 U.2 NVMe option available
<b>Backplane</b>	
2x 6-port 12G backplane supports 6x 2.5" SAS3/SATA3 HDD/SSD	

<b>Error Detection</b>	<ul style="list-style-type: none"> <li>■ Corrects single-bit errors</li> <li>■ Detects double-bit errors (using ECC memory)</li> </ul>
<b>On-Board Devices</b>	
<b>Chipset</b>	<ul style="list-style-type: none"> <li>■ Intel® C602J chipset</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ Intel C602J including 2 SATA3 (SATA DOM) + 4 SATA2(2 M.2, 2 HDD)</li> </ul>
<b>Network Controllers (via AOM)</b>	<ul style="list-style-type: none"> <li>■ 4-port 10GBase-T Ethernet SIOM (Intel® X550 controller)</li> </ul>
<b>IPMI (via AOM)</b>	<ul style="list-style-type: none"> <li>■ Support for Intelligent Platform Management Interface v.2.0</li> <li>■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>■ ASPEED 2400</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>■ ASPEED AST2400 BMC</li> </ul>
<b>Input / Output</b>	
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 2 SATA2 (HDD) ports</li> <li>■ 2 SATA2 (M.2) ports</li> <li>■ 2 SATA3 (SATADOM) ports</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>■ 4 10GBase-T ports via SIOM</li> <li>■ 1 dedicated LAN port for IPMI</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>■ 2 USB 2.0 ports via KVM port</li> </ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>■ 1 Fast UART 16550 ports: 1 front via KVM port</li> </ul>
<b>System BIOS</b>	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>■ 16MB SPI Flash EEPROM with AMI® BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>■ Plug and Play (PnP)</li> <li>■ PCI 2.2</li> <li>■ ACPI up to 3.0</li> <li>■ USB Keyboard support</li> </ul>

<b>System Cooling</b>	
<b>Fans</b>	<ul style="list-style-type: none"> <li>■ 8x 9cm Hot-Swap Counter-rotating Rear Fans</li> </ul>
<b>Power Supply</b>	
1600W Redundant Power Supplies with PMBus	
<b>Total Output Power</b>	<ul style="list-style-type: none"> <li>■ 1000W/1600W</li> </ul>
<b>Dimension (W x H x L)</b>	<ul style="list-style-type: none"> <li>■ 73.5 x 40 x 203 mm</li> </ul>
<b>Input</b>	<ul style="list-style-type: none"> <li>■ 100-127Vac / 13 - 9A / 50-60Hz</li> <li>■ 200-240Vac / 10 - 8A / 50-60Hz</li> </ul>
<b>+12V</b>	<ul style="list-style-type: none"> <li>■ Max: 83.3A / Min: 0A (100-127Vac)</li> <li>■ Max: 133A / Min: 0A (200-240Vac)</li> </ul>
<b>12Vsb</b>	<ul style="list-style-type: none"> <li>■ Max: 2.1A / Min: 0A</li> </ul>
<b>Output Type</b>	<ul style="list-style-type: none"> <li>■ 25 Pairs Gold Finger Connector</li> </ul>
<b>Certification</b>	  <ul style="list-style-type: none"> <li>■ UL/cUL/CB/BSMI/CE/CCC Titanium Level [ <a href="#">Test Report</a> ]</li> </ul>

<b>PC Health Monitoring</b>	
<b>CPU</b>	<ul style="list-style-type: none"> <li>■ Monitors for CPU Cores, +1.2V, 1.5V, +3.3V, +12V, (+3V, 1.0V, 1.2V, 1.8V, 1.1V) Standby, VBAT, Memory, Chipset Voltages.</li> <li>■ 4-Phase-switching voltage regulator with auto-sense from 0.6V-1.35V</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>■ 4-pin fan headers with tachometer status monitoring</li> <li>■ Low noise fan speed control mode</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>■ Monitoring for CPU and system environment</li> <li>■ Thermal Control for 9x fan connectors</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>■ Chassis intrusion detection</li> </ul>

<b>Operating Environment / Compliance</b>	
<b>RoHS</b>	<ul style="list-style-type: none"> <li>■ RoHS Compliant</li> </ul>
<b>Environmental Spec.</b>	<ul style="list-style-type: none"> <li>■ Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>■ Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>■ Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>■ Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

### Parts List

[See Parts List](#)

Terms & Conditions | Privacy | Investor Relations | Jobs | Site Map  
 SuperServer® | Motherboard | Chassis | Rack Cabinet | SuperBlade® | Embedded | Networking | Storage | Accessories | AMD Solution | Power Supplies

Copyright © 2017 Super Micro Computer, Inc.

Information in this document is subject to change without notice.  
 Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.