



SUPERSERVER[®]
SYS-E200-12D-10C
SYS-E200-12D-8C
SYS-E200-12D-4C



USER'S MANUAL

Revision 1.0a

The information in this User's Manual has been carefully reviewed and is believed to be accurate. The vendor assumes no responsibility for any inaccuracies that may be contained in this document, and makes no commitment to update or to keep current the information in this manual, or to notify any person or organization of the updates. Please Note: For the most up-to-date version of this manual, please see our website at www.supermicro.com.

Super Micro Computer, Inc. ("Supermicro") reserves the right to make changes to the product described in this manual at any time and without notice. This product, including software and documentation, is the property of Supermicro and/or its licensors, and is supplied only under a license. Any use or reproduction of this product is not allowed, except as expressly permitted by the terms of said license.

IN NO EVENT WILL Super Micro Computer, Inc. BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, SPECULATIVE OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OR INABILITY TO USE THIS PRODUCT OR DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN PARTICULAR, SUPER MICRO COMPUTER, INC. SHALL NOT HAVE LIABILITY FOR ANY HARDWARE, SOFTWARE, OR DATA STORED OR USED WITH THE PRODUCT, INCLUDING THE COSTS OF REPAIRING, REPLACING, INTEGRATING, INSTALLING OR RECOVERING SUCH HARDWARE, SOFTWARE, OR DATA.

Any disputes arising between manufacturer and customer shall be governed by the laws of Santa Clara County in the State of California, USA. The State of California, County of Santa Clara shall be the exclusive venue for the resolution of any such disputes. Supermicro's total liability for all claims will not exceed the price paid for the hardware product.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class A or 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 industrial environment for Class A device or in residential environment for Class B device. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

California Best Management Practices Regulations for Perchlorate Materials: This Perchlorate warning applies only to products containing CR (Manganese Dioxide) Lithium coin cells. "Perchlorate Material-special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate".



WARNING: This product can expose you to chemicals including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

The products sold by Supermicro are not intended for and will not be used in life support systems, medical equipment, nuclear facilities or systems, aircraft, aircraft devices, aircraft/emergency communication devices or other critical systems whose failure to perform be reasonably expected to result in significant injury or loss of life or catastrophic property damage. Accordingly, Supermicro disclaims any and all liability, and should buyer use or sell such products for use in such ultra-hazardous applications, it does so entirely at its own risk. Furthermore, buyer agrees to fully indemnify, defend and hold Supermicro harmless for and against any and all claims, demands, actions, litigation, and proceedings of any kind arising out of or related to such ultra-hazardous use or sale.

Manual Revision 1.0a

Release Date: November 03, 2023

Unless you request and receive written permission from Super Micro Computer, Inc., you may not copy any part of this document. 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.

Copyright © 2023 by Super Micro Computer, Inc.
All rights reserved.

Printed in the United States of America

Preface

About this Manual

This manual is written for professional system integrators and PC technicians. It provides information for the installation and use of the server. Installation and maintenance should be performed by certified service technicians only.

Please refer to the SYS-E200-12D-10C/8C/4C server specifications page on our website for updates on supported memory, processors and operating systems (<http://www.supermicro.com>).

Notes

For your system to work properly, please follow the links below to download all necessary drivers/utilities and the user's manual for your server.

- Supermicro product manuals: <http://www.supermicro.com/support/manuals/>
- Product drivers and utilities: <https://www.supermicro.com/wdl/driver>
- Product safety info: http://www.supermicro.com/about/policies/safety_information.cfm

If you have any questions, please contact our support team at:
support@supermicro.com

This manual may be periodically updated without notice. Please check the Supermicro website for possible updates to the manual revision level.

Secure Data Deletion

A secure data deletion tool designed to fully erase all data from storage devices can be found on our website: https://www.supermicro.com/about/policies/disclaimer.cfm?url=/wdl/utility/Lot9_Secure_Data_Deletion_Utility/

Warnings

Special attention should be given to the following symbols used in this manual.



Warning! Indicates important information given to prevent equipment/property damage or personal injury.



Warning! Indicates high voltage may be encountered when performing a procedure.

Contents

| | |
|--|----|
| Contacting Supermicro..... | 6 |
| Chapter 1 Introduction | |
| 1.1 Overview..... | 7 |
| 1.2 System Features | 8 |
| Front View | 8 |
| Control Panel..... | 8 |
| 1.3 Motherboard Layout | 10 |
| Quick Reference Table..... | 11 |
| System Block Diagram..... | 13 |
| 1.4 Server Installation and Setup..... | 14 |
| Unpacking the System | 14 |
| Warnings and Precautions | 14 |
| Adding Components to your System | 14 |
| Installing Mounting Brackets | 14 |
| Installing Rack Mounting Brackets..... | 16 |
| Chapter 2 Maintenance and Component Installation | |
| 2.1 Removing Power | 17 |
| 2.2 Accessing the System..... | 18 |
| 2.3 Memory Support and Installation | 19 |
| Memory Support..... | 19 |
| General Guidelines for Optimizing Memory Performance | 19 |
| Installing Memory | 21 |
| Solid State Storage | 22 |
| Motherboard Battery | 23 |
| 2.4 Chassis Components | 24 |
| System Cooling | 24 |
| Chapter 3 Motherboard Connections | |
| 3.1 Power Connections | 25 |
| 3.2 Headers and Connectors | 26 |
| Control Panel | 29 |
| 3.3 Ports | 32 |
| 3.4 Jumpers..... | 34 |
| Explanation of Jumpers..... | 34 |

3.5 LED Indicators36

Chapter 4 Software

4.1 Microsoft Windows OS Installation.....38

4.2 Driver Installation.....40

4.3 SuperDoctor® 5.....41

4.4 IPMI42

 BMC ADMIN User Password42

Appendix A Standardized Warning Statements for AC Systems

Appendix B System Specifications

Contacting Supermicro

Headquarters

Address: Super Micro Computer, Inc.
980 Rock Ave.
San Jose, CA 95131 U.S.A.

Tel: +1 (408) 503-8000

Fax: +1 (408) 503-8008

Email: marketing@supermicro.com (General Information)
Sales-USA@supermicro.com (Sales Inquiries)
Government_Sales-USA@supermicro.com (Gov. Sales Inquiries)
support@supermicro.com (Technical Support)
RMA@supermicro.com (RMA Support)
Webmaster@supermicro.com (Webmaster)

Website: www.supermicro.com

Europe

Address: Super Micro Computer B.V.
Het Sterrenbeeld 28, 5215 ML
's-Hertogenbosch, The Netherlands

Tel: +31 (0) 73-6400390

Fax: +31 (0) 73-6416525

Email: Sales_Europe@supermicro.com (Sales Inquiries)
Support_Europe@supermicro.com (Technical Support)
RMA_Europe@supermicro.com (RMA Support)

Website: www.supermicro.nl

Asia-Pacific

Address: Super Micro Computer, Inc.
3F, No. 150, Jian 1st Rd.
Zhonghe Dist., New Taipei City 235
Taiwan (R.O.C)

Tel: +886-(2) 8226-3990

Fax: +886-(2) 8226-3992

Email: Sales-Asia@supermicro.com.tw (Sales Inquiries)
Support@supermicro.com.tw (Technical Support)
RMA@supermicro.com.tw (RMA Support)

Website: www.supermicro.com.tw

Chapter 1

Introduction

1.1 Overview

This chapter provides a brief outline of the functions and features of the SuperServer SYS-E200-12D-10C/8C/4C. It is based on the X12SDV-10C/8C/4C-SPT4F motherboard and the CSE-101F chassis.

The following provides an overview of the specifications and capabilities.

| System Overview | |
|--------------------------|--|
| Motherboard | SYS-E200-12D-10C: X12SDV-10C-SPT4F SYS-E200-12D-8C: X12SDV-8C-SPT4F SYS-E200-12D-4C: X12SDV-4C-SPT4F |
| Chassis | CSE-101F |
| Processor Support | SYS-E200-12D-10C: Single Intel Xeon® Processor D-1749NT SYS-E200-12D-8C: Single Intel Xeon® Processor D-1736NT SYS-E200-12D-4C: Single Intel Xeon® Processor D-1718T |
| Memory | Up to 128 GB ECC RDIMM, DDR4 2666 MHz or 128 GB ECC/non-ECC DDR4 2666 MHz memory |
| Drive Support | One M.2 (PCIe 4.0 x4/SATA 3.0, M-Key 2280) |
| Expansion Slots | N/A |
| I/O Ports* | Two RJ45 10GbE LAN ports One dedicated RJ45 IPMI LAN port Two SPF28 25GbE LAN ports Two USB 3.0 Type A ports One VGA port |
| System Cooling | Three 4-cm chassis fans |
| Power | One external 180 watt DC power adapter |
| Form Factor | Mini-1U, (WxHxD) 7.7 x 1.7 x 8.9 in. (195 x 43 x 226 mm) |

Notes: A Quick Reference Guide can be found on the product page of the Supermicro website.

The following safety models associated with the SYS-E200-12D-10C/8C/4C have been certified as compliant with UL or CSA: 101F-18, 101F-A18X12.

1.2 System Features

The following views of the system display the main features. Refer to [Appendix B](#) for additional specifications.

Front View



Control Panel

Figure 1-1. Front View

Control Panel

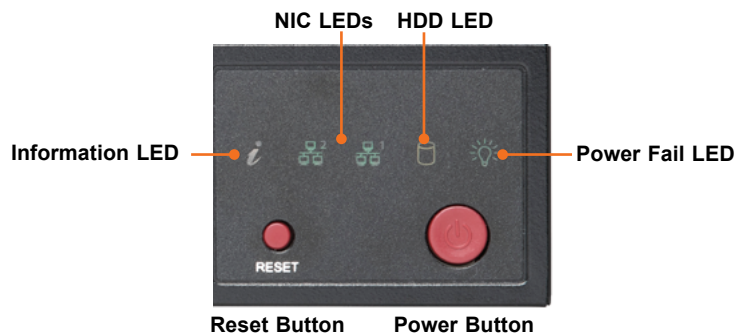


Figure 1-2. Control Panel

| Control Panel Features | |
|------------------------|---|
| Feature | Description |
| Power Button | The main power switch applies or removes primary power from the power supply to the server but maintains standby power. |
| Reset Button | Resets the system |
| HDD LED | Indicates activity on the storage drives when flashing. |
| NIC LEDs | Indicates network activity on LAN1 or LAN2 (as indicated) when flashing. |
| Power Fail LED | Indicates a power supply module has failed. |
| Information LED | Alerts operator to several states, as noted in the table below. |

| Information LED | |
|-------------------------|--|
| Color, Status | Description |
| Red, solid | An overheat condition has occurred. (This may be caused by cable congestion.) |
| Red, blinking at 1Hz | Fan failure, check for an inoperative fan. |
| Red, blinking at 0.25Hz | Power failure, check for a non-operational power supply. |
| Blue, solid | UID has been activated locally to locate the server in a rack environment. |
| Blue, blinking | UID has been activated using the BMC to locate the server in a rack environment. |

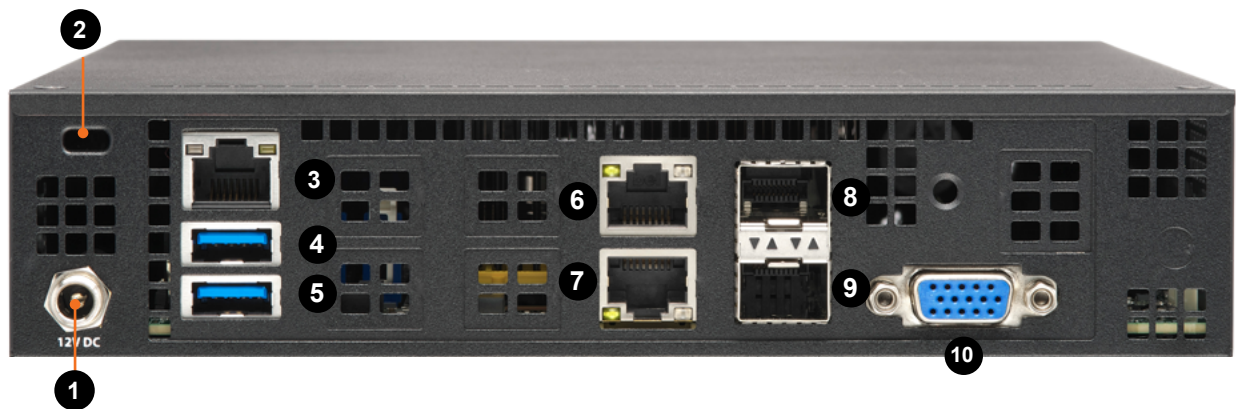


Figure 1-3. Rear View

| System Features: Rear | |
|-----------------------|---|
| Item | Description |
| 1 | Power input jack for lockable power adapter cord |
| 2 | K-slot for a standard Kensington cable locking device (not included). |
| 3 | Dedicated IPMI LAN port |
| 4 | USB 3.0 port |
| 5 | USB 3.0 port |
| 6 | RJ45 10GbE LAN port |
| 7 | RJ45 10GbE LAN port |
| 8 | SFP28 25GbE LAN port |
| 9 | SFP28 25GbE LAN port |
| 10 | VGA port |

Figure 1-4. Rear I/O Ports

1.3 Motherboard Layout

Below is a layout of the X12SDV-10C/8C/4C-SPT4F motherboard with jumper, connector and LED locations shown. See the table on the following page for descriptions. For detailed descriptions, pinout information and jumper settings, refer to [Chapter 3](#) or the [Motherboard Manual](#).

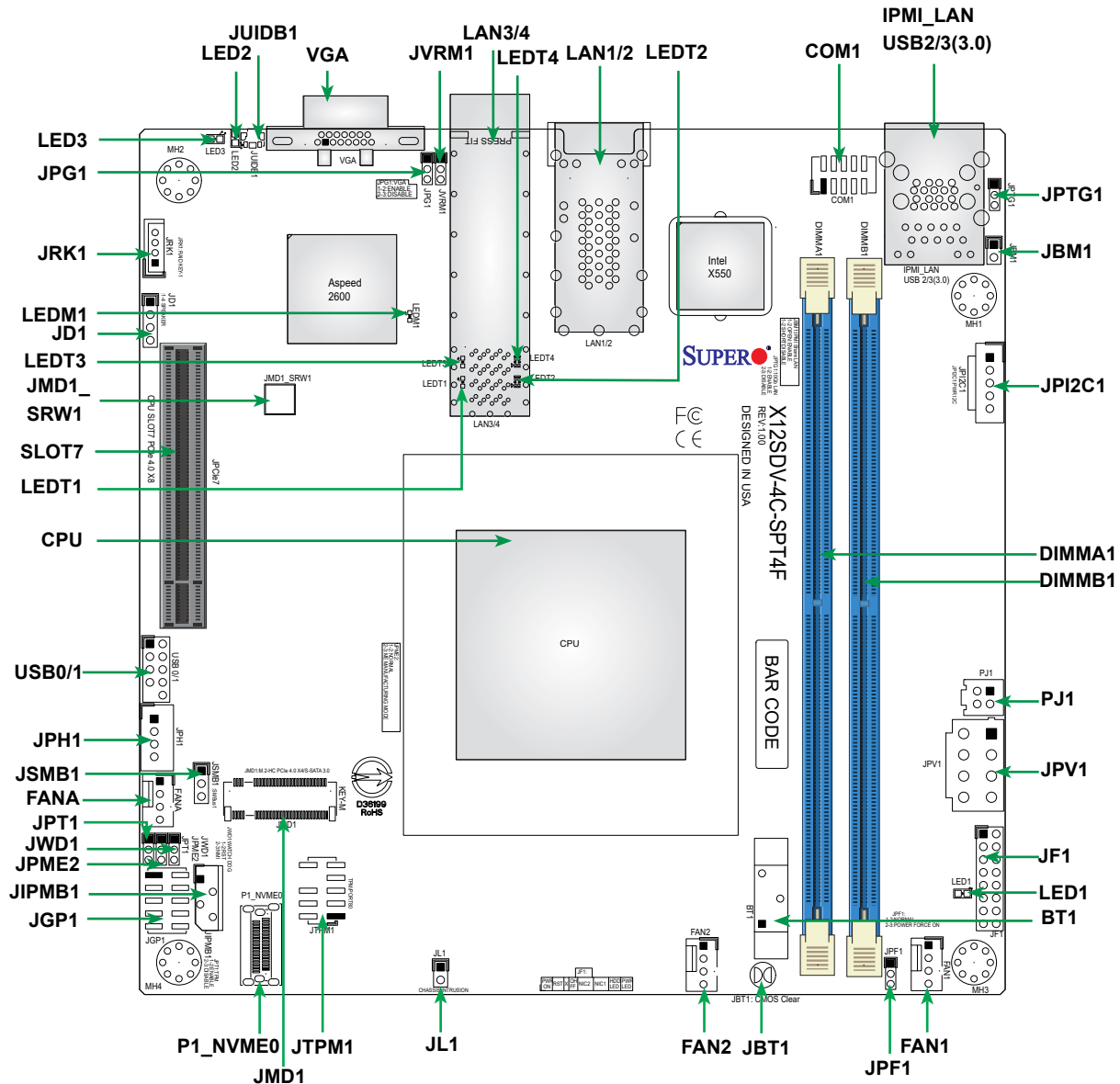


Figure 1-5. Motherboard Layout

Quick Reference Table

| Jumper | Description | Default Setting |
|------------------|---|---|
| JBM1 | IPMI Shared LAN Enable/Disable | Open (Enabled) |
| JBT1 | CMOS Clear | Open (Normal) |
| JPG1 | VGA Enable/Disable | Pins 1-2 (Enabled) |
| JPME2 | ME Manufacturing Mode | Pins 1-2 (Normal) |
| JPT1 | Onboard TPM 2.0 Enable/Disable | Pins 1-2 (Enabled) |
| JPTG1 | LAN1/2 Enable/Disable | Pins 1-2 (Enabled) |
| JWD1 | Watchdog Timer | Pins 1-2 (Reset) |
| LED | Description | Status |
| LED1 | Power LED | Solid Green: Power On |
| LED2 | UID LED | Solid Blue: Unit Identified |
| LED3 | Overheat/PWR Fail/Fan Fail LED | Solid Red: Overheat Blinking Red: PWR Fail or Fan Fail |
| LEDM1 | BMC Heartbeat LED | Blinking Green: BMC Normal |
| Connector | Description | |
| BT1 | Onboard Battery | |
| COM1 | COM Header | |
| FAN1—FAN2, FANA | CPU/System Fan Headers | |
| IPMI LAN | Dedicated IPMI LAN Port | |
| JD1 | Internal Speaker Header (Pins 1-4: Speaker) | |
| JF1 | Front Control Panel Header | |
| JGP1 | General Purpose I/O Header | |
| JIPMB1 | 4-pin BMC External I ² C Header | |
| JL1 | Chassis Intrusion Header | |
| JMD1 | M.2 M-Key 2280 (PCIe 4.0 x4/SATA 3.0) Slot | |
| JMD1_SRW1 | M.2 Mounting Hole | |
| JPH1 | 4-pin HDD Power Connector | |
| JPI2C1 | Power System Management Bus I ² C Header | |
| JPV1 | 8-pin 12 VDC Power Input (Required for 12 V only or 24-pin ATX power) | |
| JRK1 | Intel RAID Key Header | |
| JSMB1 | System Management Bus Header | |
| JTPM1 | Trusted Platform Module/Port 80 Connector | |
| JUIDB1 | Unit Identifier Switch | |
| LAN1/2 | 10GbE Base-T RJ45 LAN Ports | |
| LAN3/4 | 25GbE SFP28 LAN Ports | |
| P1_NVME0 | PCIe 3.0 x4 OCuLink Connectors (Supports PCIe x4 or 4x SATA) | |

Table continued on next page.

| Connector | Description |
|-----------|---|
| PJ1 | ATX Power Signal Header (Supermicro P/N for cable: CBL-PWEX-1063) |
| SLOT7 | PCIe 4.0 x8 Slot |
| USB0/1 | USB 2.0 Header |
| USB2/3 | Back Panel USB 3.0 Ports |
| VGA | VGA Port |

| Differences between Motherboard Models | | | |
|---|-----------|-----------|------------|
| Motherboard Model Name | X12SDV-4C | X12SDV-8C | X12SDV-10C |
| Processor | D-1718T | D-1736NT | D-1749NT |
| Number of Cores | 4 | 8 | 10 |
| Cache | 10 MB | 15 MB | 15 MB |
| SoC TDP | 46 W | 67 W | 90 W |
| Processor Base Frequency | 2.6 GHz | 2.7 GHz | 3.0 GHz |
| Intel Turbo Boost Technology | Yes | Yes | Yes |
| Number of Memory Channels | 2 | 2 | 2 |
| Max. DDR Frequency | 2933 MT/s | 2667 MT/s | 2667 MT/s |
| Intel QuickAssist Technology | No | Yes | Yes |
| Intel Virtualization Technology (VT-x) | Yes | Yes | Yes |
| Intel Virtualization Technology for Directed I/O (VT-d) | Yes | Yes | Yes |
| CPU Heatsink with FAN | No | No | No |

System Block Diagram

The block diagram below shows the connections and relationships between the subsystems and major components of the overall system.

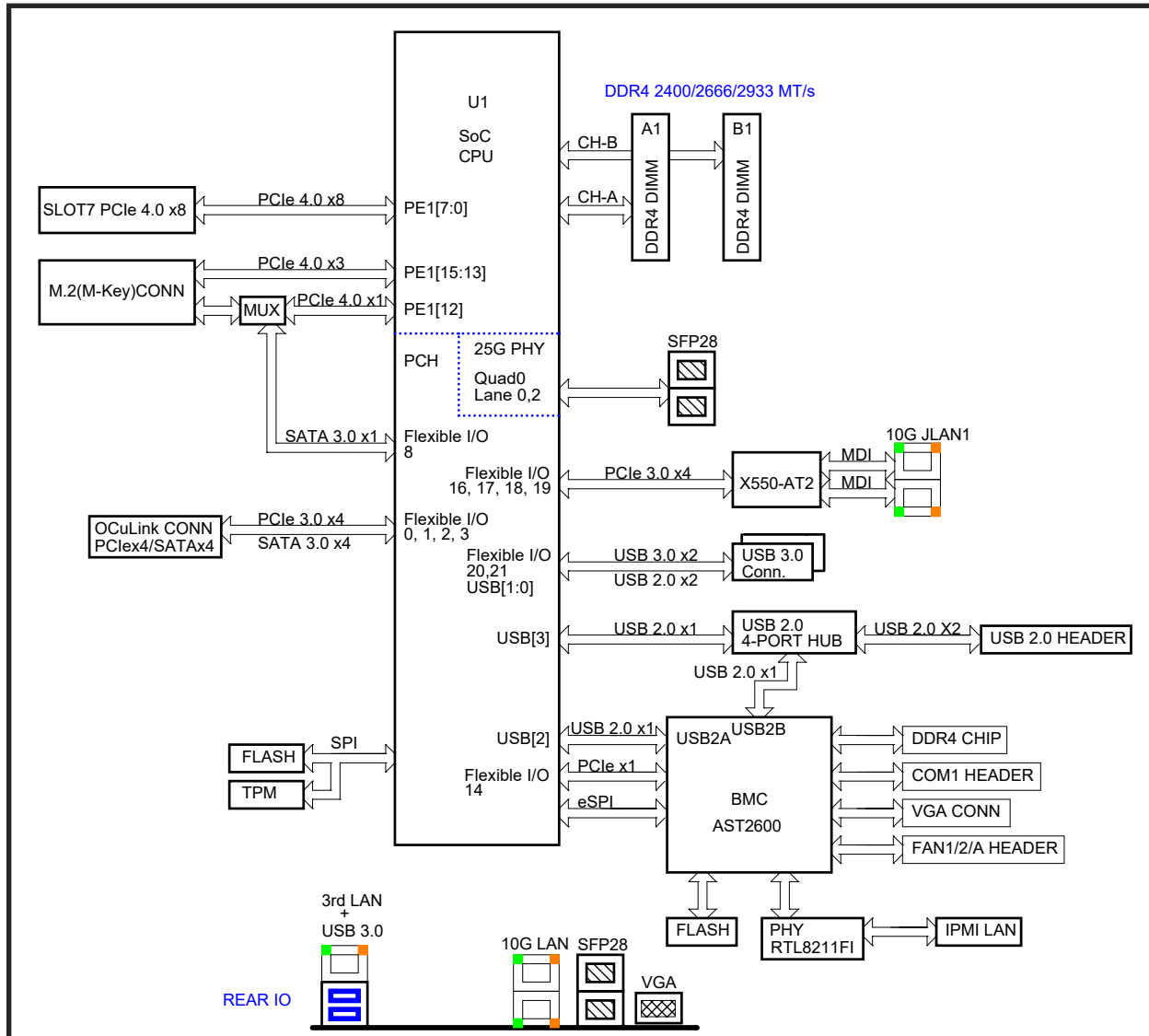


Figure 1-6. System Block Diagram

1.4 Server Installation and Setup

The server is shipped with the onboard processor and the motherboard installed in the chassis. Several steps are necessary to begin using your server. You must add memory, install the disk drive, and mount the system in place.

Unpacking the System

Inspect the box in which the system was shipped and note if it was damaged. If the server itself shows damage, file a damage claim with the carrier.

Warnings and Precautions

- Use a regulating uninterruptible power supply (UPS) to protect the server from power surges, voltage spikes and to keep your system operating in case of a power failure.
- Review the electrical and general safety precautions in Appendix B.

Adding Components to your System

- • Memory: If your system is not already fully integrated with system memory, refer to Chapter 2 for details on compatible types of memory and the installation procedure.
- • Drives and Storage: To add storage capabilities to your server, see Chapter 2.
- • Input/Output: See Chapter 3 for I/O ports and connect them as needed.
- • Software: See Chapter 4 for description and procedures for installing software, including drivers and monitoring programs.

Installing Mounting Brackets

Optional brackets (MCP-290-10111-0B) allow the server to be mounted in any convenient space in the work environment.

1. Install the brackets using two “#6-32UNC*4.5L” screws through the holes in each bracket to secure the bracket to the chassis.
2. Secure the brackets to the surface where you want the server to be mounted.

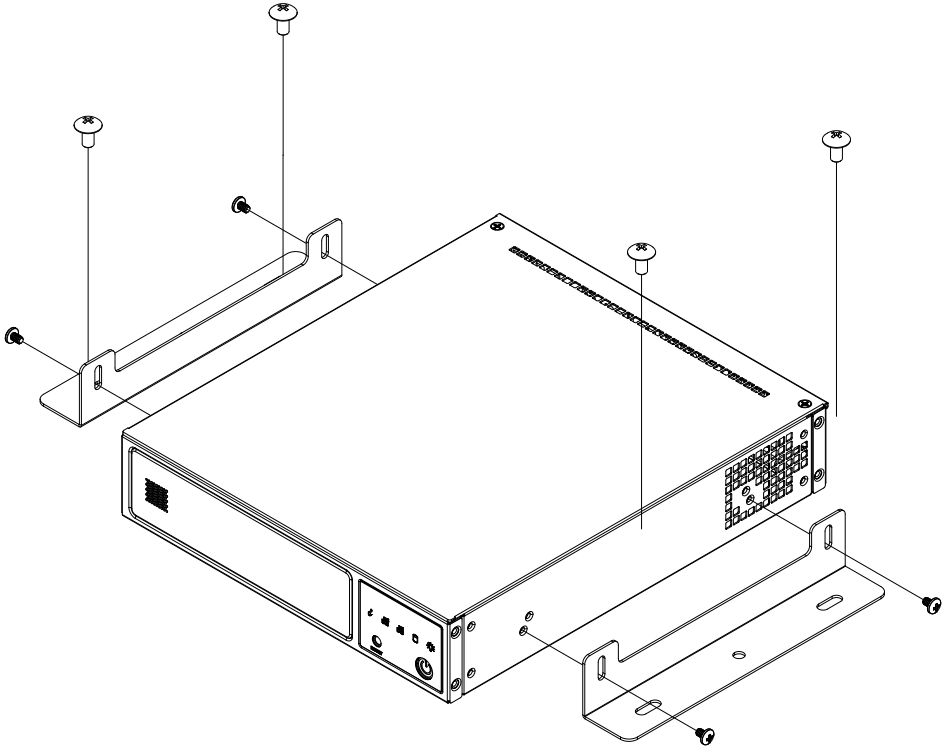


Figure 1-7. Installing Mounting Brackets
(Brackets extending out from the chassis)

- 3. If the system is to be mounted on a sturdy surface such as wall mount, it should be on dry wall and use screws or nails of sufficient strength to support the weight of the system.
- 4. Please make sure the rear I/O bezel faces up when wall mounting to the system.

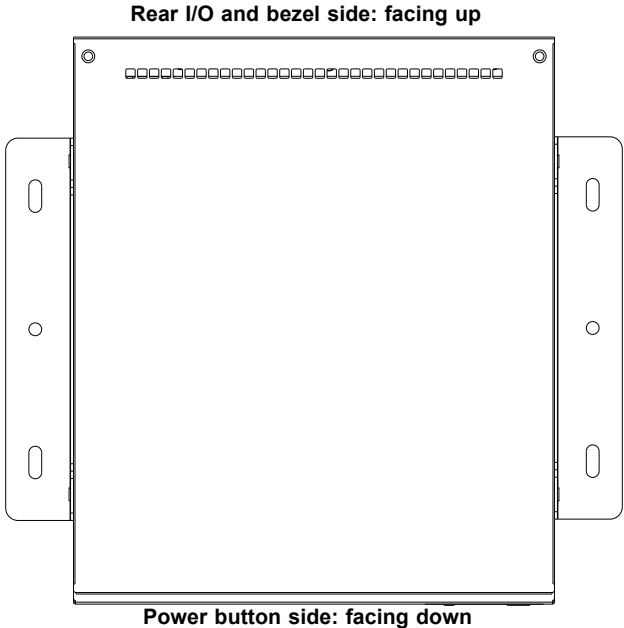


Figure 1-8. Wall Mount Orientation

Installing Rack Mounting Brackets

The chassis can be mounted in a rack using two rack brackets and a two-part power adapter shelf bracket (optional, MCP-290-10110-0B).

1. Attach the rack brackets using three screws through the holes in each bracket to secure the bracket to the chassis.
2. Install the handles, using two screws through the bracket and into each handle.
3. If you are using the optional power adapter bracket, install the power adapter on its bracket. Place it as shown, then add the retention bracket using two screws.
4. Mount the power adapter bracket assembly on the right side of the chassis using three screws.

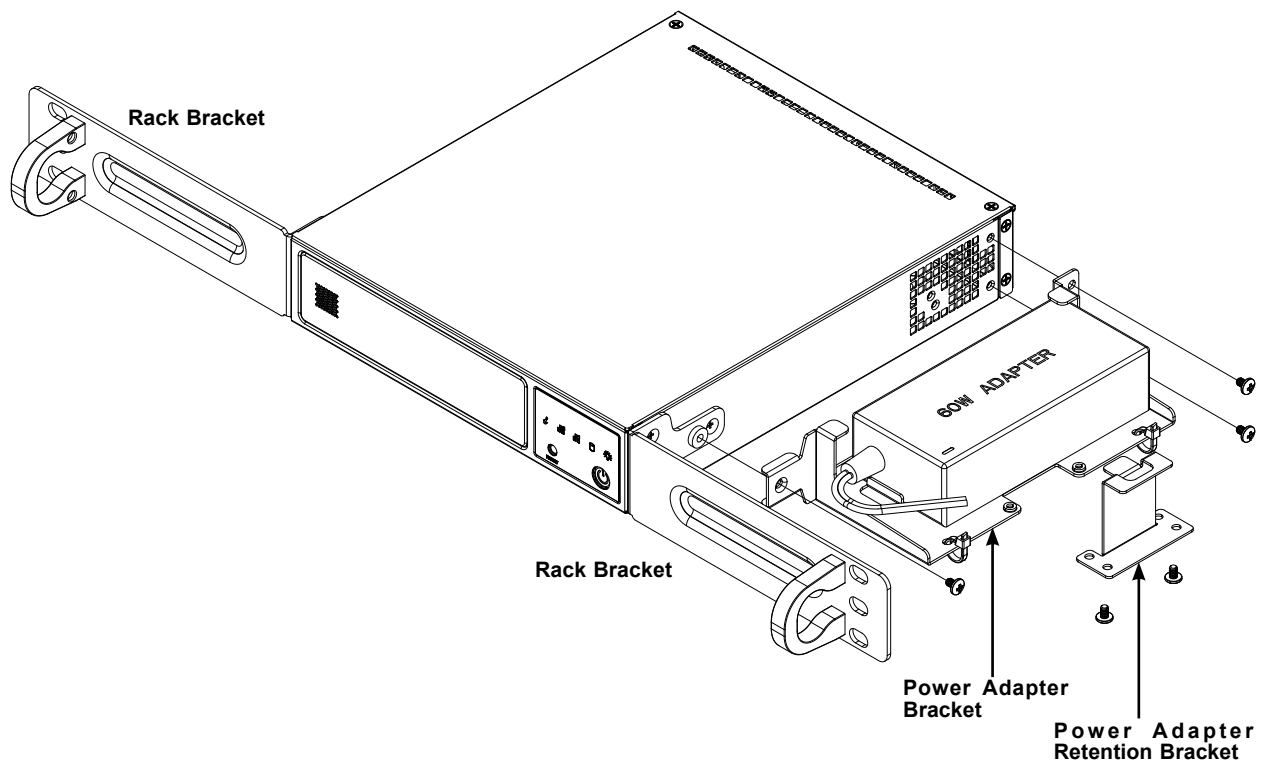


Figure 1-9. Installing Rack Mounting Brackets

Chapter 2

Maintenance and Component Installation

This chapter provides instructions on installing and replacing main system components. To prevent compatibility issues, only use components that match the specifications and/or part numbers given.

Installation or replacement of most components require that power first be removed from the system. Please follow the procedures given in each section.

2.1 Removing Power

Use the following procedure to ensure that power has been removed from the system. This step is necessary when removing or installing non-hot-swap components or when replacing a non-redundant power supply.

1. Use the operating system to power down the system.
2. After the system has completely shut down, disconnect the AC adapter power cord from the power source.
3. Disconnect the power cord from the chassis.

2.2 Accessing the System

The CSE-101F features a removable top cover to access to the inside of the chassis.

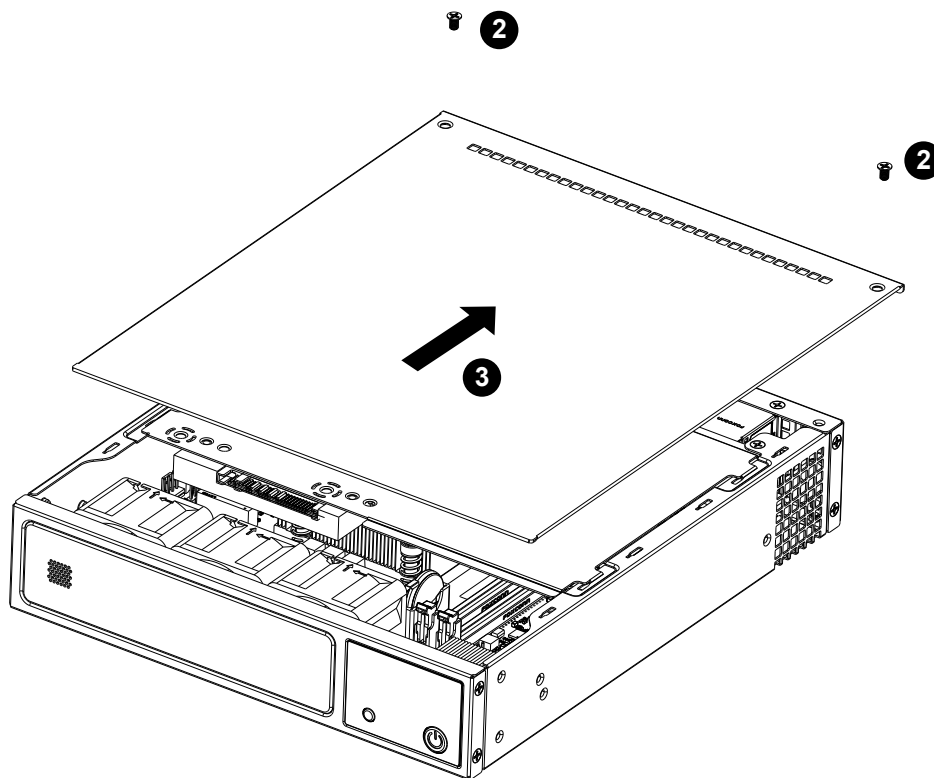


Figure 2-1. Removing the Chassis Cover

Removing the Top Cover

1. Power down the system as described in section 2.1.
2. Remove the two screws that hold the cover in place.
3. Slide the cover sideways as illustrated above to release the front and rear cover hooks from the chassis.
4. Lift the cover up and off the chassis.

Caution: Except for short periods of time, do *not* operate the server without the cover in place. The chassis cover must be in place to allow proper airflow and prevent overheating.

2.3 Memory Support and Installation

Note: Check the Supermicro website for recommended memory modules.

Important: Exercise extreme care when installing or removing DIMM modules to prevent any possible damage.

Memory Support

The X12SDV-10C/8C/4C-SPT4F motherboard supports up to 128GB of ECC or non-ECC DDR4 RDIMM/UDIMM memory to 2667 MT/s (10C and 8C) and 2933 MT/s (4C). Populating the DIMM slots with memory modules of the same type and size will result in interleaved memory, which will improve memory performance.

| Type | Ranks Per DIMM and Data Width | DIMM Capacity (GB) | | Speed (MT/s); Voltage (V); Slot Per Channel (SPC) and DIMM Per Channel (DPC) *Data below assumes 2 SPC unless otherwise noted. |
|---------------|-------------------------------|--------------------|-------|---|
| | | 8 Gb | 16 Gb | 1DPC |
| RDIMM | SRx8 (RC D) | 8 GB | 16 GB | 2933 |
| | SRx4 (RC C) | 16 GB | 32 GB | |
| | DRx8 (RC E) | 16 GB | 32 GB | |
| | DRx4 (RC A) | 32 GB | 64 GB | |
| ECC UDIMM | SRx8 | 8 GB | 16 GB | |
| Non-ECC UDIMM | DRx8 | 16 GB | 32 GB | |

General Guidelines for Optimizing Memory Performance

- It is recommended to use DDR4 memory of the same type, size, and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support an odd number of modules (one installed). However, to achieve the best memory performance, a balanced memory population is recommended.

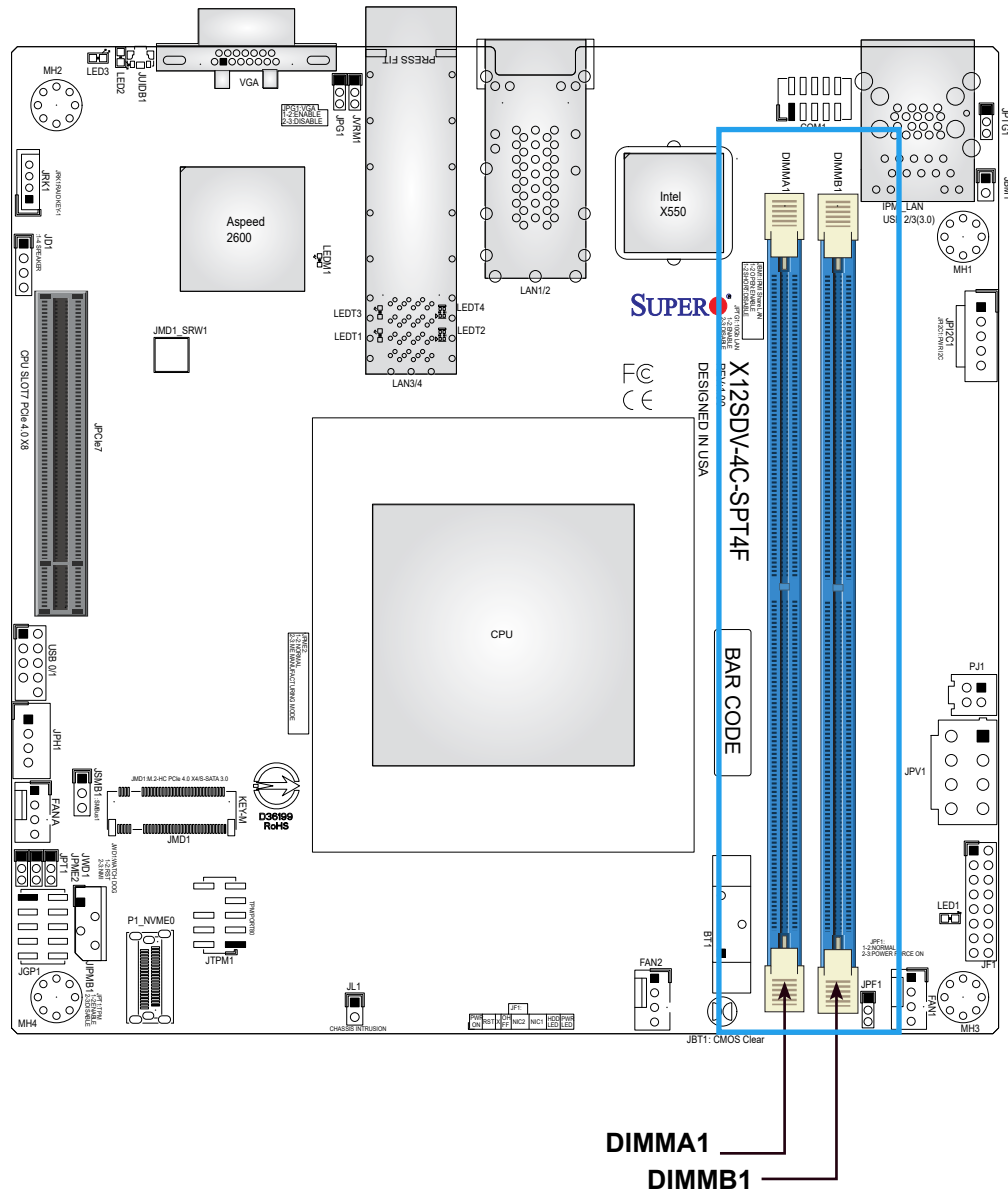


Figure 2-2. Location of DIMM Slots

Installing Memory

When installing memory modules, the DIMM slots should be populated in the following order: DIMMA1, DIMMB1.

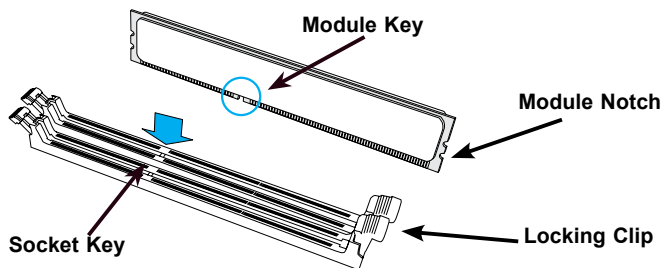
- Always use DDR4 DIMM modules of the same size, type and speed. Mixing memory modules of different types and speeds is not allowed.
- The motherboard will support one DIMM module installed. However, for best memory performance, install DIMM modules in pairs.

Caution: Exercise extreme care when installing or removing DIMM modules to prevent damage.

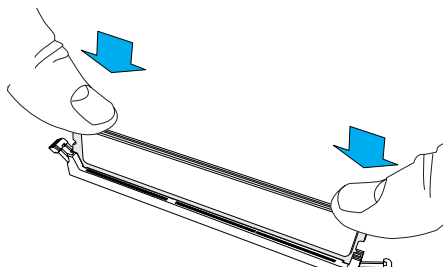
Installing Memory

Begin by removing power from the system as described in Section 2.1.

1. Starting with DIMMA1, push the release tabs outwards on both ends of the DIMM slot to unlock it.



2. Align the key of the DIMM with the receptive point on the memory slot and with your thumbs on both ends of the module, press it straight down into the slot until the module snaps into place.



3. Press the release tabs to the locked position to secure the DIMM module into the slot. Repeat for other DIMM slots as needed in the following order:

To remove a DIMM, unlock the release tabs then pull the DIMM from the memory slot.

Solid State Storage

This motherboard supports an internally mounted solid state storage card by means of an M.2 slot supporting PCIe.

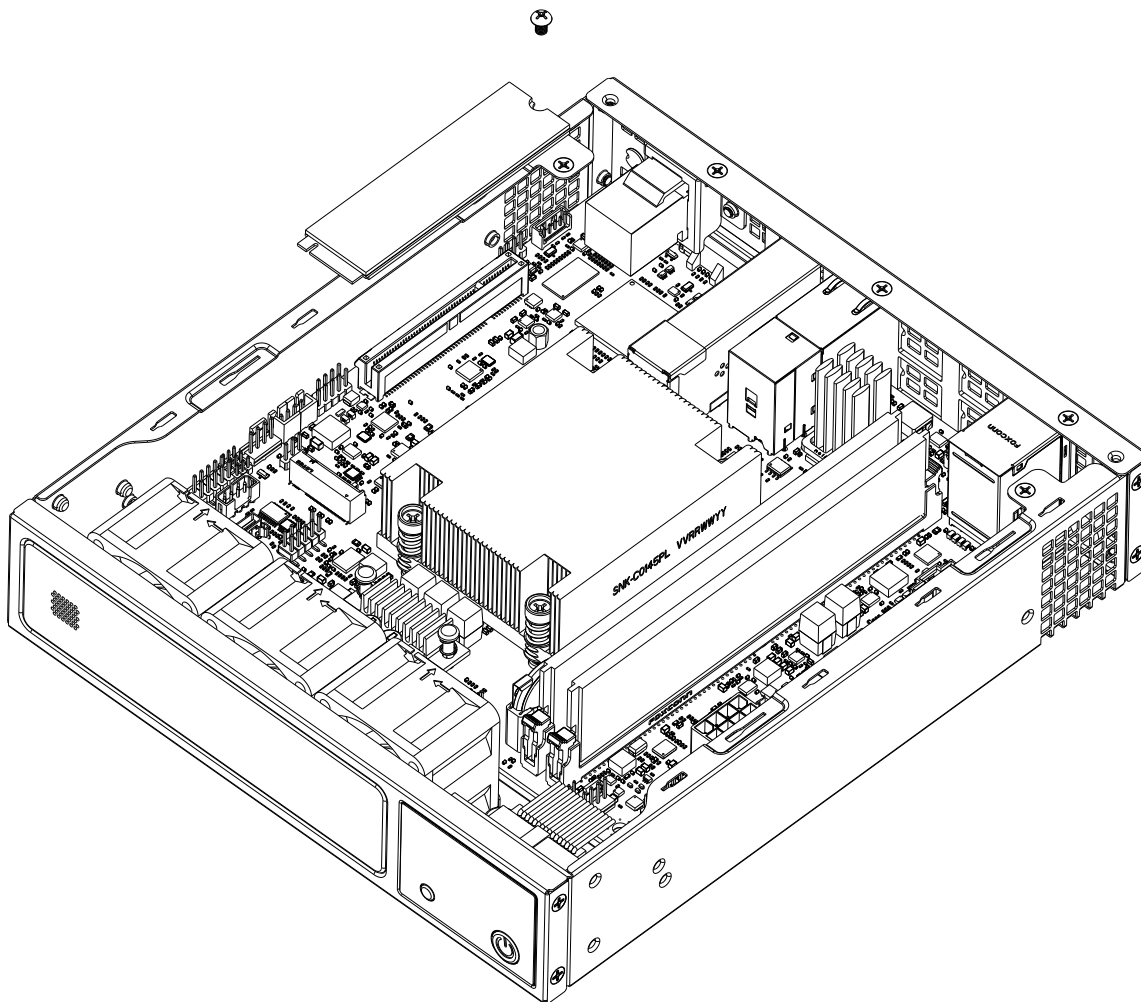


Figure 2-3. Installing an M.2 Expansion Card

Installing the M.2 Card

1. Access the motherboard and locate the **M.2** connector (Figure 1.5, JMD1: M2)
2. Gently insert the M.2 card into the connector.
3. Use a screw to secure the M.2 card to the standoff provided.

Motherboard Battery

The motherboard uses non-volatile memory to retain system information when system power is removed. This memory is powered by a lithium battery residing on the motherboard.

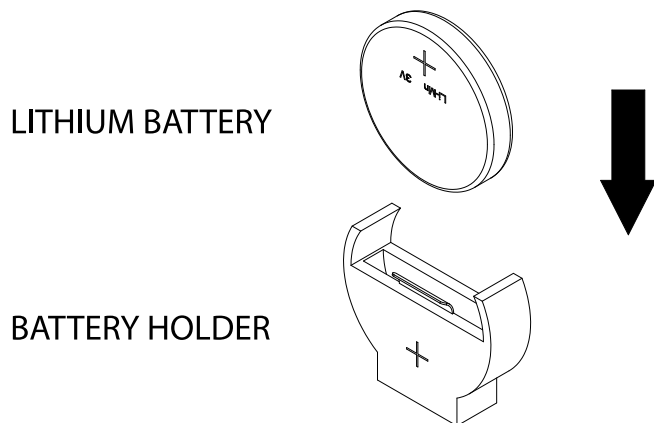


Figure 2-4. Installing the Onboard Battery

Replacing the Battery

1. Remove power from the system as described in section 2.1.
2. Push aside the small clamp that covers the edge of the battery. When the battery is released, lift it out of the holder.
3. To insert a new battery, slide one edge under the lip of the holder with the positive (+) side facing up. Then push the other side down until the clamp snaps over it.

Note: Handle used batteries carefully. Do not damage the battery in any way; a damaged battery may release hazardous materials into the environment. Do not discard a used battery in the garbage or a public landfill. Please comply with the regulations of your local hazardous waste management agency to dispose of your used battery properly.

Warning: There is a danger of explosion if the onboard battery is installed upside down (which reverses its polarities). This battery must be replaced only with the same or an equivalent type recommended by the manufacturer (CR2032).

2.4 Chassis Components

System Cooling

The CSE-101F includes three 4-cm fans.

Replacing the System Fan

1. Power down the system as described in section 2.1 and remove the AC power cord and the chassis cover.
2. Remove the failed fan power cable from motherboard.
3. Remove the screws securing the fan to the chassis wall and save them.
4. Lift the fan out of the chassis.
5. Align the replacement fan with the holes in the wall of the chassis.
6. Secure the fan to the chassis wall using the screws previously set aside.
7. Reconnect the fan cable to motherboard.
8. Reinstall the chassis top cover, reconnect the AC power cord and power up the system.

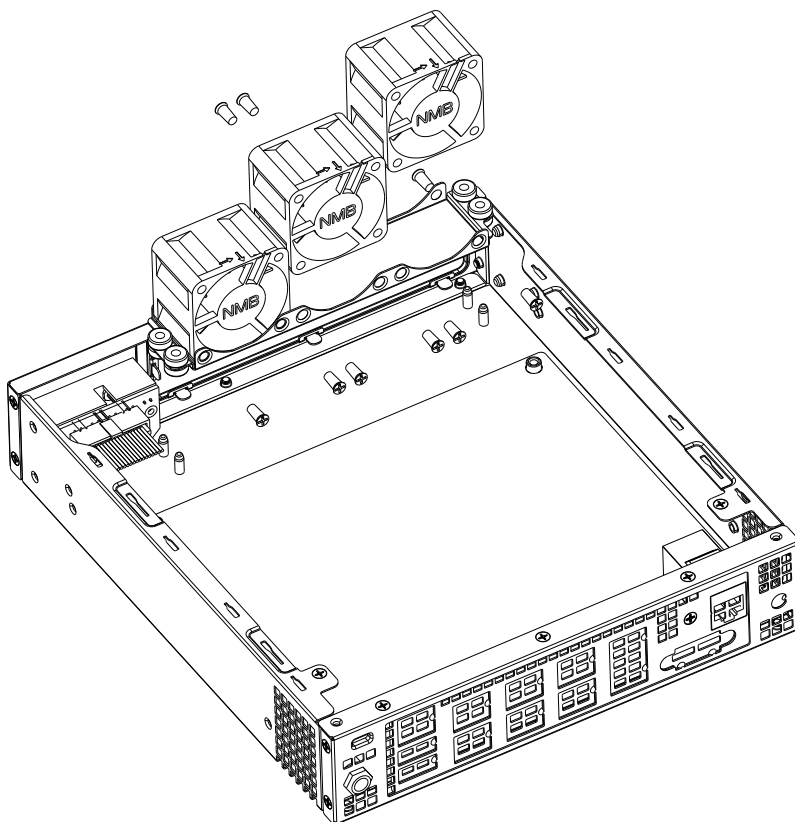


Figure 2-5. System Fans

Chapter 3

Motherboard Connections

This section describes the connections on the X12SDV-10C/8C/4C-SPT4F motherboard and provides pinout definitions. Note that depending on how the system is configured, not all connections are required. The LEDs on the motherboard are also described here. A motherboard layout indicating component locations may be found in Chapter 1.

Please review the Safety Precautions in Appendix A before installing or removing components.

3.1 Power Connections

Main ATX Power Supply Connector

JPV1 is the 12 VDC power connector, a required input for either ATX or 12 VDC power source. In addition, when using ATX power, PJ1 is a necessary connection to the 24-pin ATX power header from the PSU via PN: CBL-PWEX-1063.

| 8-pin 12V Power (JPV1) Pin Definitions | |
|---|------------|
| Pins | Definition |
| 1-4 | Ground |
| 5-8 | +12 V |

| 4-Pin to ATX Power Signal (PJ1) Pin Definitions | |
|--|------------|
| Pin# | Definition |
| 1 | PWR_OK |
| 2 | GND |
| 3 | 5 VSB |
| 4 | PS_ON |

4-Pin Power Output

The 4-pin storage drive power connector located at JPH1 provides power to onboard storage drive devices.

| 4-Pin Storage Drive Power Pin Definitions | |
|--|------------|
| Pin# | Definition |
| 1 | 12 V |
| 2-3 | Ground |
| 4 | 5 V |

3.2 Headers and Connectors

Chassis Intrusion

A Chassis Intrusion header is located at JL1 on the motherboard. Attach the appropriate cable from the chassis to inform you of a chassis intrusion when the chassis is opened. Refer to the table below for pin definitions.

| Chassis Intrusion Pin Definitions | |
|--------------------------------------|-----------------|
| Pin# | Definition |
| 1 | Ground |
| 2 | Intrusion Input |

COM Header

The motherboard has one COM header (COM1) that provides a serial connection.

| COM Header (COM1) Pin Definitions | | | |
|--------------------------------------|------------|------|------------|
| Pin# | Definition | Pin# | Definition |
| 1 | DCD | 2 | DSR |
| 3 | RXD | 4 | RTS |
| 5 | TXD | 6 | CTS |
| 7 | DTR | 8 | RI |
| 9 | Ground | 10 | N/A |

4-Pin External BMC I²C Header

A System Management Bus header for IPMI 2.0 is located at JIPMB1. Connect a cable to this header to use the IPMB I²C connection on your system. Refer to the table below for pin definitions.

| External I ² C Header Pin Definitions | |
|---|---------------|
| Pin# | Definition |
| 1 | Data |
| 2 | Ground |
| 3 | Clock |
| 4 | No Connection |

Fan Headers

There are three 4-pin fan headers (FAN–FAN2, FANA) on the motherboard. All these 4-pin fan headers are backwards compatible with the traditional 3-pin fans. However, fan speed control is available for 4-pin fans only by Thermal Management via the Hardware Monitoring in the BIOS. Refer to the table below for pin definitions.

| Fan Header Pin Definitions | |
|-------------------------------|-------------------|
| Pin# | Definition |
| 1 | Ground (Black) |
| 2 | 2.5 A/+12 V (Red) |
| 3 | Tachometer |
| 4 | PWM_Control |

General Purpose I/O Header

The JGP1 (General Purpose Input/Output) header is a general purpose I/O expander on a pin header via the SMBus. Each pin can be configured to be an input pin or output pin in 2.54mm pitch. The GPIO is controlled via the PCA9554APW 8-bit GPIO expansion from PCH SMBus. The base address is 0x5000. The expander slave address is 0x70 for WRITE and 0x71 for READ. See the table below for pin definitions.

| JGP1 Header Pin Definitions | |
|--------------------------------|------------|
| Pin# | Definition |
| 1 | P2V3_DUAL |
| 2 | Ground |
| 3 | GP1_0 |
| 4 | GP1_4 |
| 5 | GP1_1 |
| 6 | GP1_5 |
| 7 | GP1_2 |
| 8 | GP1_6 |
| 9 | GP1_3 |
| 10 | GP1_7 |

Intel RAID Key Header

The JRK1 header allows you to enable RAID functions for NVMe connections. Refer to the table below for pin definitions.

| Intel RAID Key Header Pin Definitions | |
|--|----------------|
| Pin# | Defintion |
| 1 | GND |
| 2 | PU 3.3 V Stdby |
| 3 | GND |
| 4 | PCH RAID KEY |

M.2 Slot

This motherboard has one M.2 slot (JMD1). M.2 was formerly known as Next Generation Form Factor (NGFF) and serves to replace mini PCIe. M.2 allows for a variety of card sizes, increased functionality, and spatial efficiency. The M.2 slot at JMD1 supports an M-Key PCIe 4.0 x4/SATA 3.0 SSD cards in the 2280 form factor.

Power SMB (I²C) Header

Power System Management Bus (I²C) header at JPI²C1 monitors the power supply, fan and system temperatures. Refer to the table below for pin definitions.

| Power SMB Header Pin Definitions | |
|-------------------------------------|-------------|
| Pin# | Definition |
| 1 | Clock |
| 2 | Data |
| 3 | PMBUS_Alert |
| 4 | Ground |
| 5 | NC |

Speaker

Pins 1-4 of JD1 are used for the speaker. Note that the speaker connector pins are used with an external speaker. Refer to the tables below for pin definitions.

| Speaker Connector Pin Definitions | |
|--------------------------------------|----------|
| Pin# | Signal |
| 1 | P5V |
| 2 | NC |
| 3 | NC |
| 4 | R_SPKRIN |

System Management Bus Header

A System Management Bus header for additional slave devices or sensors is located at JSMB1. See the table below for pin definitions.

| SMBus Header Pin Definitions | |
|---------------------------------|------------|
| Pin# | Definition |
| 1 | Data |
| 2 | Ground |
| 3 | Clock |

TPM/Port 80 Header

A Trusted Platform Module (TPM)/Port 80 header is located at JTPM1 to provide TPM support and Port 80 connection. Use this header to enhance system performance and data security. Refer to the table below for pin definitions. Go to the following link for more information on the TPM: <http://www.supermicro.com/manuals/other/TPM.pdf>.

| Trusted Platform Module/Port80 Header Pin Definitions | | | |
|--|-------------|------|------------|
| Pin# | Definition | Pin# | Definition |
| 1 | +3.3 V | 2 | SPI_CS# |
| 3 | RESET# | 4 | SPI_MISO |
| 5 | SPI_CLK | 6 | GND |
| 7 | SPI_MOSI | 8 | |
| 9 | +3.3 V Stby | 10 | SPI_IRQ# |

Control Panel

JF1 contains header pins for various buttons and indicators that are normally located on a control panel at the front of the chassis. These connectors are designed specifically for use with Supermicro chassis. See the figure below for the descriptions of the front control panel buttons and LED indicators.

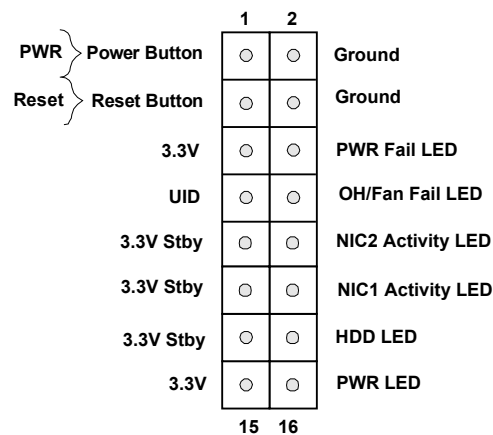


Figure 3-1. JF1: Control Panel Pins

Power Button

The Power Button connection is located on pins 1 and 2 of JF1. Momentarily contacting both pins will power on/off the system. This button can also be configured to function as a suspend button with a setting in the BIOS. To turn off the power when the system is in suspend mode, press the button for 4 seconds or longer.

| Power Button Pin Definitions (JF1) | |
|---------------------------------------|------------|
| Pin# | Definition |
| 1 | Signal |
| 2 | Ground |

Reset Button

The Reset Button connection is located on pins 3 and 4 of JF1. Attach it to a hardware reset switch on the computer case to reset the system.

| Reset Button Pin Definitions (JF1) | |
|---------------------------------------|------------|
| Pin# | Definition |
| 3 | Reset |
| 4 | Ground |

Power Fail LED

The Power Fail LED connection is located on pins 5 and 6 of JF1.

| Power Fail LED Pin Definitions (JF1) | |
|---|-----------------|
| Pin# | Definition |
| 5 | 3.3 V |
| 6 | PWR Supply Fail |

Overheat (OH)/Fan Fail

Connect an LED cable to pins 7 and 8 of the Front Control Panel to use the Overheat/Fan Fail LED connections. The LED on pin 8 provides warnings of overheating or fan failure.

| OH/Fan Fail Indicator Status | |
|------------------------------|------------|
| State | Definition |
| Off | Normal |
| On | Overheat |
| Flashing | Fan Fail |

| OH/Fan Fail LED Pin Definitions (JF1) | |
|---------------------------------------|-----------------|
| Pin# | Definition |
| 7 | Blue LED |
| 8 | OH/Fan Fail LED |

NIC1/NIC2 (LAN1/LAN2)

The NIC (Network Interface Controller) LED connection for LAN port 1 is located on pins 11 and 12 of JF1, and LAN port 2 is on pins 9 and 10. Attach the NIC LED cables here to display network activity.

| LAN1/LAN2 LED Pin Definitions (JF1) | |
|-------------------------------------|------------------------|
| Pin# | Definition |
| 9 | Pull up to +3.3 V Stby |
| 10 | NIC2 Activity LED |
| 11 | Pull up to +3.3 V Stby |
| 12 | NIC1 Activity LED |

HDD LED/UID Switch

The HDD LED/UID switch connection is located on pins 13 and 14 of JF1. Attach a cable to pin 13 to use the UID switch. Attach a cable to pin 14 to show storage drive activity status.

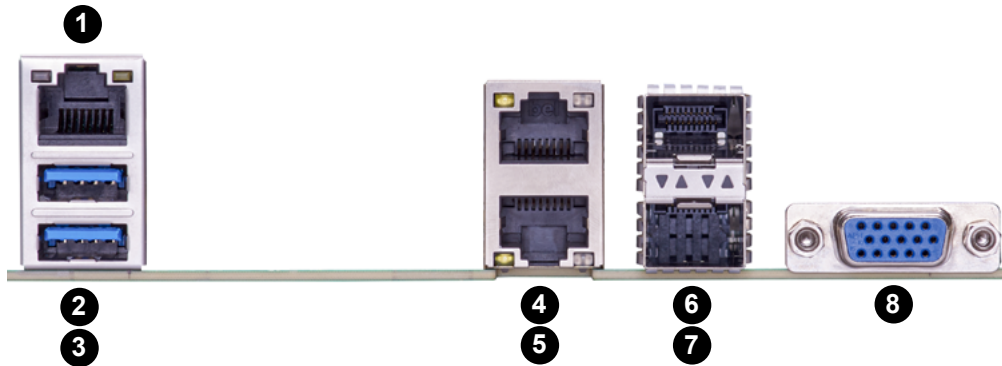
| HDD LED/UID Switch Pin Definitions (JF1) | |
|--|-------------------|
| Pins | Definition |
| 13 | 3.3 V Stby/UID_SW |
| 14 | HDD LED |

Power LED

The Power LED connection is located on pins 15 and 16 of JF1. Refer to the table below for pin definitions.

| Power LED Pin Definitions (JF1) | |
|---------------------------------|------------|
| Pins | Definition |
| 15 | 3.3 V Stby |
| 16 | PWR LED |

3.3 Ports



| Rear I/O Ports | | | |
|----------------|-------------------------|---|----------------------|
| # | Description | # | Description |
| 1 | Dedicated IPMI LAN port | 5 | RJ45 10GbE LAN port |
| 2 | USB 3.0 port | 6 | SFP28 25GbE LAN port |
| 3 | USB 3.0 port | 7 | SFP28 25GbE LAN port |
| 4 | RJ45 10GbE LAN port | 8 | VGA port |

LAN Ports

Two 10GbE RJ45 LAN ports (LAN1/2) and two SFP 25GbE LAN ports (LAN3/4) are located on the I/O back panel. There is also a dedicated IPMI LAN is above the USB2/3 ports on the back panel. Refer to the LED Indicator section for LAN LED information.

VGA Port

A video (VGA) port is located on the I/O back panel. Refer to the board layout below for the location.

Unit Identifier Switch/UID LED Indicator

A Unit Identifier (UID) switch and an LED Indicator are located on the motherboard. The UID switch is located at JUIDB1, which is next to the VGA port on the back panel. The UID LED (LED2) is located next to the UID switch. When you press the UID switch, the UID LED will be turned on. Press the UID switch again to turn off the LED indicator. The UID Indicator provides easy identification of a system unit that may be in need of service.

Note: UID can also be triggered via IPMI on the motherboard. For more information on IPMI, refer to the IPMI User's Guide posted on our website at <https://www.supermicro.com/support/manuals/>.

| UID Switch Pin Definitions | |
|-------------------------------|------------|
| Pin# | Definition |
| 1 | Ground |
| 2 | Ground |
| 3 | Button In |
| 4 | Button In |

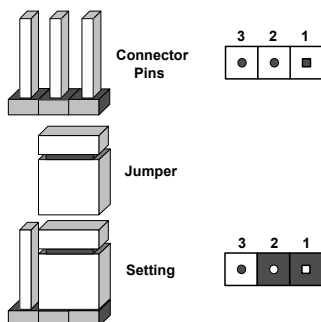
| UID LED Pin Definitions | |
|----------------------------|-----------------|
| Color | Status |
| Blue: On | Unit Identified |

3.4 Jumpers

Explanation of Jumpers

To modify the operation of the motherboard, jumpers are used to choose between optional settings. Jumpers create shorts between two pins to change the function associated with it. Pin 1 is identified with a square solder pad on the printed circuit board. See the motherboard layout page for jumper locations.

Note: On a two-pin jumper, "Closed" means the jumper is on both pins and "Open" indicates the jumper is either on only one pin or has been completely removed.



CMOS Clear

JBT1 is used to clear CMOS, which will also clear any passwords. Instead of pins, this jumper consists of contact pads to prevent accidentally clearing the contents of CMOS.

To Clear CMOS

1. First power down the system and unplug the power cord(s).
2. Remove the cover of the chassis to access the motherboard.
3. Remove the onboard battery from the motherboard.
4. Short the CMOS pads with a metal object such as a small screwdriver for at least four seconds.
5. Remove the screwdriver (or shorting device).
6. Replace the cover, reconnect the power cord(s) and power on the system.



JBT1 contact pads

Notes: Clearing CMOS will also clear all passwords.

Do not use the PW_ON connector to clear CMOS.

10Gb LAN Enable/Disable

Use JPTG1 to enable or disable the 10 GbE LAN. The default setting is Enabled.

| 10Gb LAN Enable/Disable Jumper Settings | |
|---|-------------------|
| Jumper Setting | Definition |
| Pins 1-2 | Enabled (Default) |
| Pins 2-3 | Disabled |

IPMI Shared LAN Feature

Set the JBM1 jumper to enable or disable IPMI shared access on LAN1.

| IPMI Share LAN Enable/Disable Jumper Settings | |
|---|-------------------|
| Jumper Setting | Definition |
| Pins 1-2 (Open) | Enabled (Default) |
| Pins 1-2 (Short) | Disabled |

Manufacturing Mode Select

Close pins 2-3 of jumper JPME2 to bypass SPI flash security and force the system to operate in the manufacturing mode, which will allow the user to flash the system firmware from a host server for system setting modifications. Refer to the table below for jumper settings.

| Manufacturing Mode Jumper Settings | |
|------------------------------------|--------------------|
| Jumper Setting | Definition |
| Pins 1-2 | Normal (Default) |
| Pins 2-3 | Manufacturing Mode |

Onboard TPM 2.0 Enable/Disable

Use JPT1 to enable or disable support for the onboard TPM 2.0 module. The default setting is Enabled.

| TPM Enable/Disable Jumper Settings | |
|------------------------------------|-------------------|
| Jumper Setting | Definition |
| Pins 1-2 | Enabled (Default) |
| Pins 2-3 | Disabled |

VGA Enable/Disable

JPG1 allows you to enable or disable the onboard VGA port using the onboard graphics controller. The default setting is Enabled.

| VGA Enable/Disable Jumper Settings | |
|------------------------------------|-------------------|
| Jumper Setting | Definition |
| Pins 1-2 | Enabled (Default) |
| Pins 2-3 | Disabled |

Watchdog

Watchdog (JWD1) is a system monitor that can reboot the system when a software application hangs. Close pins 1-2 to reset the system if an application hangs. Close pins 2-3 to generate a non-maskable interrupt (NMI) signal for the application that hangs. Refer to the table below for jumper settings. The Watchdog must also be enabled in the BIOS.

| Watchdog Jumper Settings | |
|--------------------------|-----------------|
| Jumper Setting | Definition |
| Pins 1-2 | Reset (Default) |
| Pins 2-3 | NMI |
| Open | Disabled |

3.5 LED Indicators

BMC Heartbeat LED

LEDM1 is the BMC heartbeat LED. When the LED is blinking green, the BMC is working. Refer to the table below for the LED status.

| Power LED Indicator | |
|---------------------|------------|
| LED Color | Definition |
| Blinking Green | BMC Normal |

Onboard Power LED

LED1 is an Onboard Power LED. When this LED is lit, it means power is present on the motherboard. In suspend mode, this LED will blink on and off. Be sure to turn off the system and unplug the power cord(s) before removing or installing components.

| Onboard Power LED Indicator | |
|-----------------------------|---|
| LED Color | Definition |
| Off | System Off (power cable not connected) |
| Green | System On |

Overheat/Power Fail/Fan Fail LED

When the light for LED3 is solid red, it means overheating. When the LED is blinking red, it means a power failure or fan failure. Refer to the table below for more information

| Overheat/Power Fail/Fan Fail LED Indicator | |
|--|---------------------------|
| LED Color | Definition |
| Solid Red | Overheat |
| Blinking Red | Power Failure/Fan Failure |

RJ45 LAN LEDs

There are two LAN ports (LAN1/LAN2) on the I/O back panel of the motherboard. Each LAN port has two LEDs. The yellow LED indicates activity while the other Link LED may be green, amber, or off to indicate the speed of the connection. Refer to the tables below for more information.

| LAN Activity LED for 10GbE (Left) LED State | | |
|---|----------|------------|
| Color | Status | Definition |
| Yellow | Flashing | Active |

| LAN Link LED for 10GbE (Right) LED State | |
|--|------------|
| LED Color | Definition |
| Off | 100 Mbps |
| Amber | 1 Gbps |
| Green | 10 Gbps |

SFP28 LAN LEDs

Two 25G LAN ports (LAN3/LAN4) that support SFP28 are also located on the rear I/O panel. Refer to the tables below for the LED status.

| LAN Activity LED (Right) LED State | | |
|------------------------------------|----------|------------|
| Color | Status | Definition |
| Green | Flashing | Active |

| LAN Link LED (Left) LED State | |
|-------------------------------|------------|
| LED Color | Definition |
| Green | 25 Gbps |
| Yellow | 10 Gbps |

Chapter 4

Software

After the hardware has been installed, you can install the Operating System (OS), configure RAID settings, and install the drivers.

4.1 Microsoft Windows OS Installation

If you will be using RAID, you must configure RAID settings before installing the Windows OS and the RAID driver. Refer to the RAID Configuration User Guides posted on our website at www.supermicro.com/support/manuals.

Installing the OS

1. Create a method to access the MS Windows installation ISO file. That might be a USB flash or media drive or the IPMI KVM console.
2. Retrieve the proper RST/RSTe driver. Go to the Supermicro web page for your motherboard and click on "Download the Latest Drivers and Utilities", select the proper driver, and copy it to a USB flash or media drive.
3. Boot from a bootable device with Windows OS installation. You can see a bootable device list by pressing **F11** during the system startup.

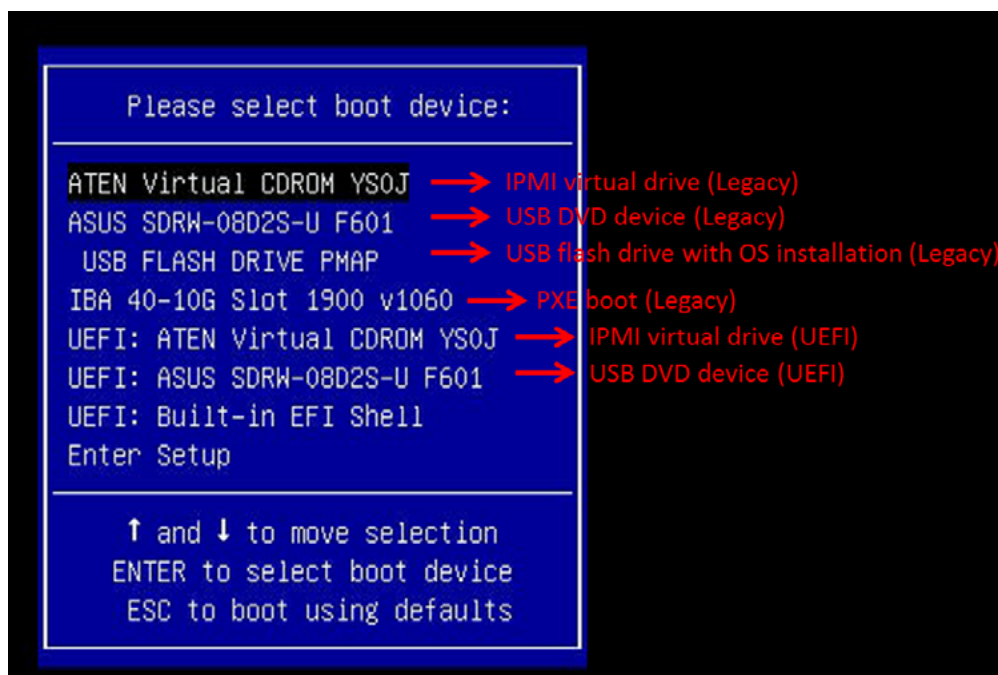


Figure 4-1. Select Boot Device

4. During Windows Setup, continue to the dialog where you select the drives on which to install Windows. If the disk you want to use is not listed, click on “Load driver” link at the bottom left corner.

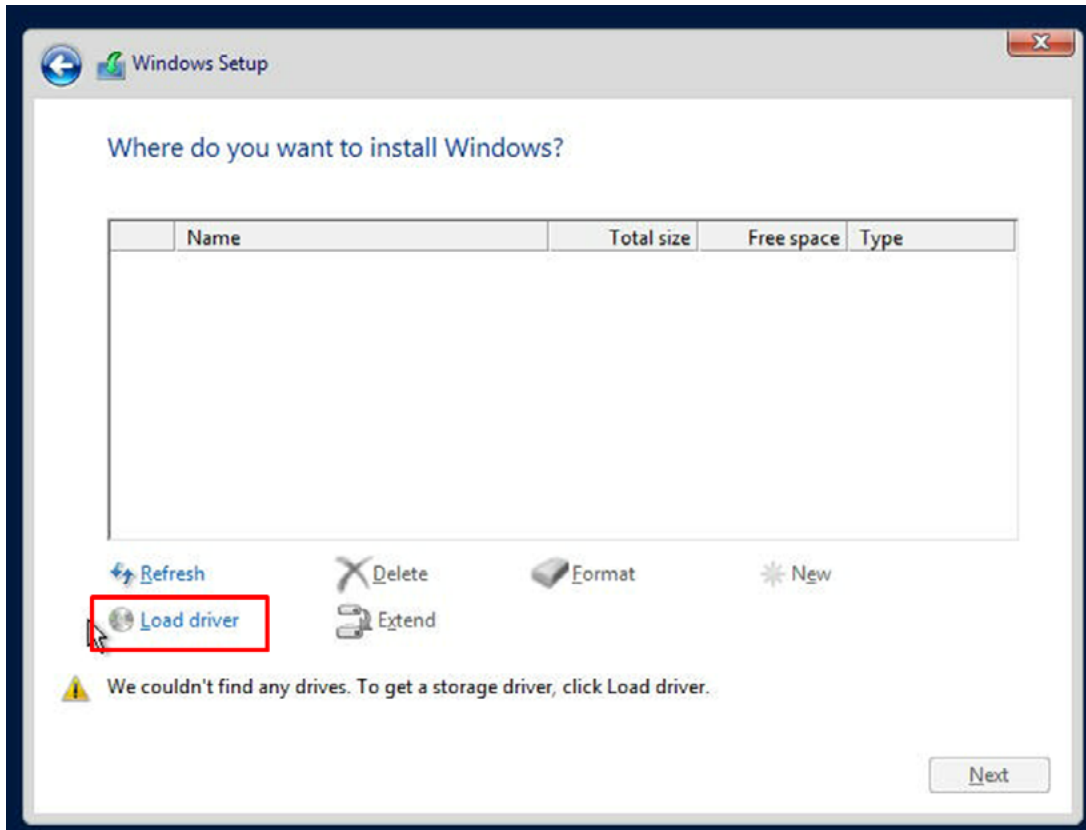


Figure 4-2. Load Driver Link

To load the driver, browse the USB flash or media drive for the proper driver files.

- For RAID, choose the SATA/sSATA RAID driver indicated then choose the storage drive on which you want to install it.
 - For non-RAID, choose the SATA/sSATA AHCI driver indicated then choose the storage drive on which you want to install it.
5. Once all devices are specified, continue with the installation.
 6. After the Windows OS installation has been completed, the system will automatically reboot multiple times.

4.2 Driver Installation

The Supermicro website contains drivers and utilities for your system at <https://www.supermicro.com/wdl/>. Some of these must be installed, such as the chipset driver.

After accessing the website, go into the CDR_Images (in the parent directory of the above link) and locate the ISO file for your motherboard. Download this file to a USB flash or media drive. (You may also use a utility to extract the ISO file if preferred.)

Another option is to go to the Supermicro website at <http://www.supermicro.com/products/>. Find the product page for your motherboard, and "Download the Latest Drivers and Utilities". Insert the flash or media drive, and the screenshot shown below should appear.

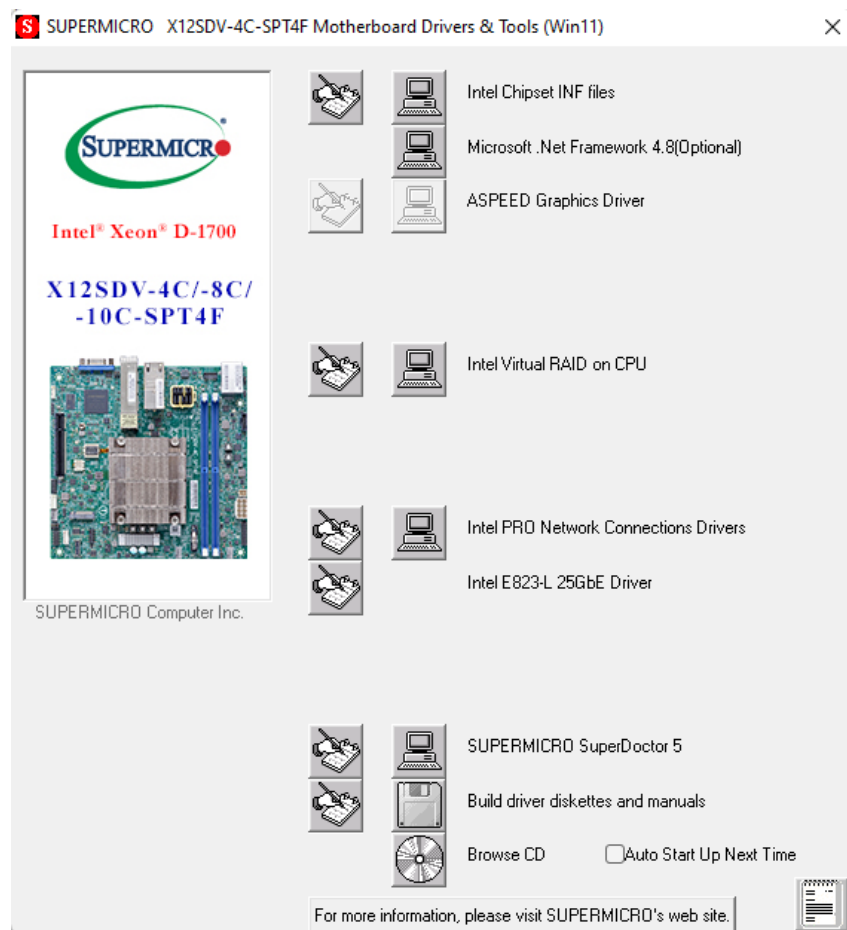


Figure 4-3. Driver and Tool Installation Screen

Note: Click the icons showing handwriting on paper to view the readme files for each item. Click the computer icons to the right of these items to install each item (from top to the bottom) one at a time. **After installing each item, you must reboot the system before moving on to the next item on the list.** The bottom icon with a CD on it allows you to view the entire content.

4.3 SuperDoctor® 5

The Supermicro SuperDoctor 5 is a program that functions in a command-line or web-based interface for Windows and Linux operating systems. The program monitors such system health information as CPU temperature, system voltages, system power consumption, fan speed, and provides alerts via email or Simple Network Management Protocol (SNMP).

SuperDoctor 5 comes in local and remote management versions and can be used with Nagios to maximize your system monitoring needs. With SuperDoctor 5 Management Server (SSM Server) IPMI, you can remotely control power ON/OFF and reset chassis intrusion for multiple systems. SuperDoctor 5 Management Server monitors HTTP, FTP, and SMTP services to optimize the efficiency of your operation.

[SuperDoctor® Manual and Resources](#)

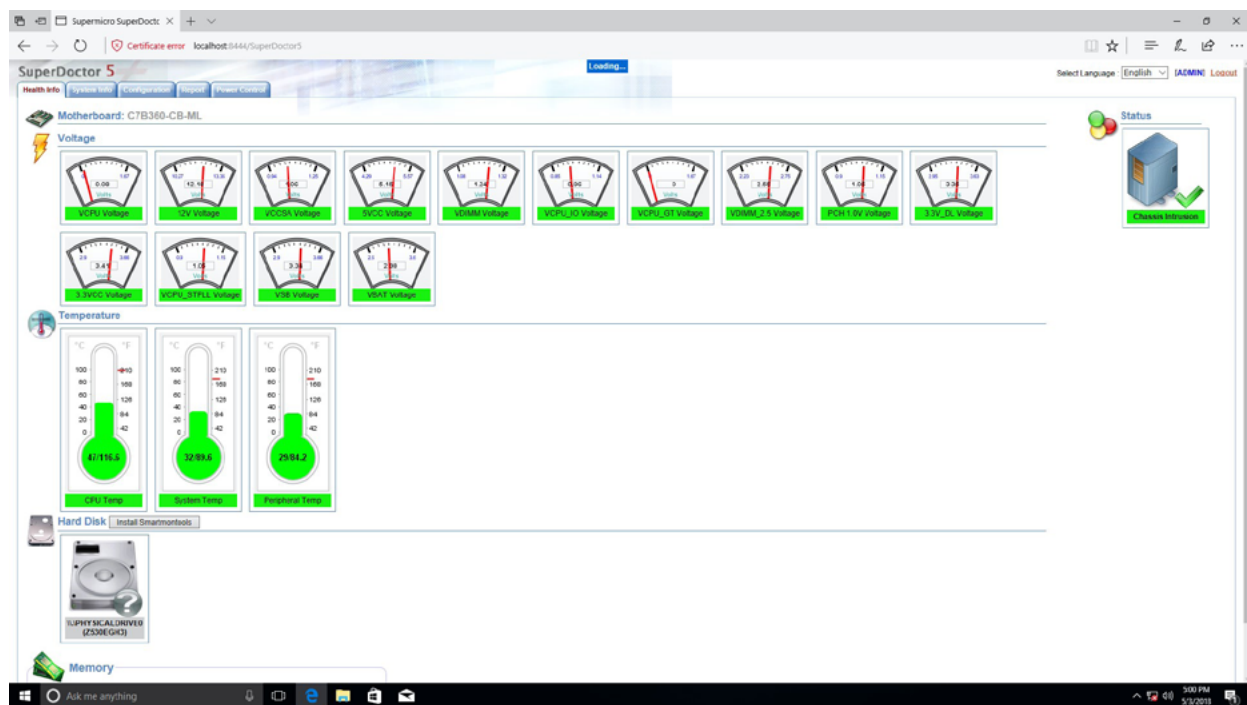


Figure 4-4. SuperDoctor 5 Interface Display Screen (Health Information)

4.4 IPMI

The motherboard provides the Intelligent Platform Management Interface (IPMI). IPMI provides remote access, monitoring and management through the baseboard management controller (BMC) and other management controllers distributed among different system modules. There are several BIOS settings that are related to IPMI. For general documentation and information on IPMI, visit our website at: <http://www.supermicro.com/products/nfo/IPMI.cfm>.

BMC ADMIN User Password

For security, each system is assigned a unique default BMC password for the ADMIN user. This can be found on a sticker on the chassis and a sticker on the motherboard. The sticker also displays the BMC MAC address. If necessary, the password can be reset using the Supermicro IPMICFG tool.

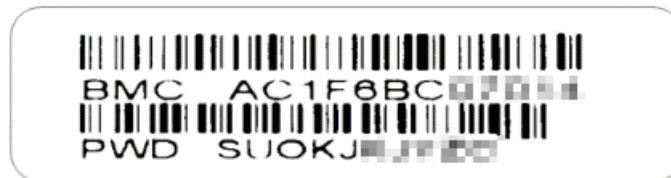


Figure 4-5. BMC Password Label

The sticker can be found on the pull-out service tag at the front of the chassis. See [Chapter 1](#) for label location.

Appendix A

Standardized Warning Statements for AC Systems

About Standardized Warning Statements

The following statements are industry standard warnings, provided to warn the user of situations which have the potential for bodily injury. Should you have questions or experience difficulty, contact Supermicro's Technical Support department for assistance. Only certified technicians should attempt to install or configure components.

Read this appendix in its entirety before installing or configuring components in the Supermicro chassis.

These warnings may also be found on our website at http://www.supermicro.com/about/policies/safety_information.cfm.

Warning Definition



Warning! This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents.

警告の定義

この警告サインは危険を意味します。

人身事故につながる可能性がありますので、いずれの機器でも動作させる前に、電気回路に含まれる危険性に注意して、標準的な事故防止策に精通して下さい。

此警告符号代表危險。

您正处于可能受到严重伤害的工作环境中。在您使用设备开始工作之前，必须充分意识到触电的危险，并熟练掌握防止事故发生的标准工作程序。请根据每项警告结尾的声明号码找到此设备的安全性警告说明的翻译文本。

此警告符號代表危險。

您正處於可能身體可能會受損傷的工作環境中。在您使用任何設備之前，請注意觸電的危險，並且要熟悉預防事故發生的標準工作程序。請依照每一注意事項後的號碼找到相關的翻譯說明內容。

Warnung

WICHTIGE SICHERHEITSHINWEISE

Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu Verletzungen führen kann. Machen Sie sich vor der Arbeit mit Geräten mit den Gefahren elektrischer Schaltungen und den üblichen Verfahren zur Vorbeugung vor Unfällen vertraut. Suchen Sie mit der am Ende jeder Warnung angegebenen Anweisungsnummer nach der jeweiligen Übersetzung in den übersetzten Sicherheitshinweisen, die zusammen mit diesem Gerät ausgeliefert wurden.

BEWAHREN SIE DIESE HINWEISE GUT AUF.

INSTRUCCIONES IMPORTANTES DE SEGURIDAD

Este símbolo de aviso indica peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considere los riesgos de la corriente eléctrica y familiarícese con los procedimientos estándar de prevención de accidentes. Al final de cada advertencia encontrará el número que le ayudará a encontrar el texto traducido en el apartado de traducciones que acompaña a este dispositivo.

GUARDE ESTAS INSTRUCCIONES.

IMPORTANTES INFORMATIONS DE SÉCURITÉ

Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers liés aux circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Pour prendre connaissance des traductions des avertissements figurant dans les consignes de sécurité traduites qui accompagnent cet appareil, référez-vous au numéro de l'instruction situé à la fin de chaque avertissement.

CONSERVEZ CES INFORMATIONS.

תקנון הזהרות אזהרה

הזהרות הבאות הן אזהרות על פי תקני התעשייה, על מנת להזהיר את המשתמש מפני חבלה פיזית אפשרית. במידה ויש שאלות או היתקלות בבעיה כלשהי, יש ליצור קשר עם מחלקת תמיכה טכנית של סופרמיקרו. טכנאים מוסמכים בלבד רשאים להתקין או להגדיר את הרכיבים. יש לקרוא את הנספח במלואו לפני התקנת או הגדרת הרכיבים במארזי סופרמיקרו.

اَكْ ف حالة وُكِي اَي تتسبب ف اصابة جسدهُ هذا الزهز عْ خطر! تحذُرُ .
 قبل اَي تعول على اَي هعدات، كي على علن بالوخاطز ال اُجوة عي الذوائر
 الكهزبائِة
 وكي على دراةُ بالووارسات النقاىِة لو عْ وقع اَي حادث
 استخدم رقن الب اى الو صُص ف هاةُ كل تحذُرُ للعشر تزجوتها

안전을 위한 주의사항

경고!

이 경고 기호는 위험이 있음을 알려 줍니다. 작업자의 신체에 부상을 야기 할 수 있는 상태에 있게 됩니다. 모든 장비에 대한 작업을 수행하기 전에 전기회로와 관련된 위험요소들을 확인하시고 사전에 사고를 방지할 수 있도록 표준 작업절차를 준수해 주시기 바랍니다.

해당 번역문을 찾기 위해 각 경고의 마지막 부분에 제공된 경고문 번호를 참조하십시오

BELANGRIJKE VEILIGHEIDSINSTRUCTIES

Dit waarschuwings symbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij een elektrische installatie betrokken risico's en dient u op de hoogte te zijn van de standaard procedures om ongelukken te voorkomen. Gebruik de nummers aan het eind van elke waarschuwing om deze te herleiden naar de desbetreffende locatie.

BEWAAR DEZE INSTRUCTIES

Installation Instructions



Warning! Read the installation instructions before connecting the system to the power source.

設置手順書

システムを電源に接続する前に、設置手順書をお読み下さい。

警告

将此系统连接电源前,请先阅读安装说明。

警告

將系統與電源連接前，請先閱讀安裝說明。

Warnung

Vor dem Anschließen des Systems an die Stromquelle die Installationsanweisungen lesen.

¡Advertencia!

Lea las instrucciones de instalación antes de conectar el sistema a la red de alimentación.

Attention

Avant de brancher le système sur la source d'alimentation, consulter les directives d'installation.

יש לקרוא את הוראות התקנה לפני חיבור המערכת למקור מתח.

اقر إرشادات التركيب قبل توصيل النظام إلى مصدر للطاقة

시스템을 전원에 연결하기 전에 설치 안내를 읽어주십시오.

Waarschuwing

Raadpleeg de installatie-instructies voordat u het systeem op de voedingsbron aansluit.

Circuit Breaker

Warning! This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that the protective device is rated not greater than: 250 V, 20 A.

サーキット・ブレーカー

この製品は、短絡(過電流)保護装置がある建物での設置を前提としています。

保護装置の定格が250 V、20 Aを超えないことを確認下さい。

警告

此产品的短路(过载电流)保护由建筑物的供电系统提供,确保短路保护设备的额定电流不大于250V,20A。

警告

此產品的短路(過載電流)保護由建築物的供電系統提供,確保短路保護設備的額定電流不大於250V,20A。

Warnung

Dieses Produkt ist darauf angewiesen, dass im Gebäude ein Kurzschluss- bzw. Überstromschutz installiert ist. Stellen Sie sicher, dass der Nennwert der Schutzvorrichtung nicht mehr als: 250 V, 20 A beträgt.

¡Advertencia!

Este equipo utiliza el sistema de protección contra cortocircuitos (o sobrecorrientes) del edificio. Asegúrese de que el dispositivo de protección no sea superior a: 250 V, 20 A.

Attention

Pour ce qui est de la protection contre les courts-circuits (surtension), ce produit dépend de l'installation électrique du local. Vérifiez que le courant nominal du dispositif de protection n'est pas supérieur à :250 V, 20 A.

מוצר זה מסתמך על הגנה המותקנת במבנים למניעת קצר חשמלי. יש לוודא כי המכשיר המגן מפני הקצר החשמלי הוא לא יותר מ-250VDC, 20A

هذا المنتج يعتمد على معدات الحماية من الدوائر القصيرة التي تم تثبيتها في المبنى
تأكد من أن تقييم الجهاز الوقائي ليس أكثر من : 20A, 250V

경고!

이 제품은 전원의 단락(과전류)방지에 대해서 전적으로 건물의 관련 설비에 의존합니다. 보호장치의 정격이 반드시 250V(볼트), 20A(암페어)를 초과하지 않도록 해야 합니다.

Waarschuwing

Dit product is afhankelijk van de kortsluitbeveiliging (overspanning) van uw elektrische installatie. Controleer of het beveiligde apparaat niet groter gedimensioneerd is dan 250V, 20A.

Power Disconnection Warning



Warning! The system must be disconnected from all sources of power and the power cord removed from the power supply module(s) before accessing the chassis interior to install or remove system components (except for hot-swap components).



電源切断の警告

システムコンポーネントの取り付けまたは取り外しのために、シャーシ内部にアクセスするには、システムの電源はすべてのソースから切断され、電源コードは電源モジュールから取り外す必要があります。

警告

在你打开机箱并安装或移除内部器件前,必须将系统完全断电,并移除电源线。

警告

在您打開機殼安裝或移除內部元件前，必須將系統完全斷電，並移除電源線。

Warnung

Das System muss von allen Quellen der Energie und vom Netzanschlusskabel getrennt sein, das von den Spg.Versorgungsteilmodulen entfernt wird, bevor es auf den Chassisinnenraum zurückgreift, um Systemsbestandteile anzubringen oder zu entfernen.

¡Advertencia!

El sistema debe ser disconnected de todas las fuentes de energía y del cable eléctrico quitado de los módulos de fuente de alimentación antes de tener acceso el interior del chasis para instalar o para quitar componentes de sistema.

Attention

Le système doit être débranché de toutes les sources de puissance ainsi que de son cordon d'alimentation secteur avant d'accéder à l'intérieur du chasis pour installer ou enlever des composants de système.

אזהרה מפני ניתוק חשמלי

אזהרה!

יש לנתק את המערכת מכל מקורות החשמל ויש להסיר את כבל החשמלי מהספק לפני גישה לחלק הפנימי של המארז לצורך התקנת או הסרת רכיבים.

يجب فصل انظاؤ من جميع مصادر انطاقت وإزانت سهك انكهرباء من وحدة امداد انطاقت قيم

انصل إلى امناطق انداخييت نههيكم نشييج أو إزانت مكنناث الجهاز

경고!

시스템에 부품들을 장착하거나 제거하기 위해서는 새시 내부에 접근하기 전에 반드시 전원 공급장치로부터 연결되어있는 모든 전원과 전기코드를 분리해주어야 합니다.

Waarschuwing

Voordat u toegang neemt tot het binnenwerk van de behuizing voor het installeren of verwijderen van systeem onderdelen, dient u alle spanningsbronnen en alle stroomkabels aangesloten op de voeding(en) van de behuizing te verwijderen

Equipment Installation



Warning! Only authorized personnel and qualified service persons should be allowed to install, replace, or service this equipment.

機器の設置

トレーニングを受け認定された人だけがこの装置の設置、交換、またはサービスを許可されています。

警告

只有经过培训且具有资格的人员才能进行此设备的安装、更换和维修。

警告

只有經過受訓且具資格人員才可安裝、更換與維修此設備。

Warnung

Nur autorisiertes Personal und qualifizierte Servicetechniker dürfen dieses Gerät installieren, austauschen oder warten..

¡Advertencia!

Sólo el personal autorizado y el personal de servicio calificado deben poder instalar, reemplazar o dar servicio a este equipo.

Attention

Seul le personnel autorisé et le personnel de maintenance qualifié doivent être autorisés à installer, remplacer ou entretenir cet équipement..

אזהרה!

יש לאפשר רק צוות מורשה ואנשי שירות מוסמכים להתקין, להחליף או לטפל בציוד זה.

ينبغي السماح فقط للموظفين المعتمدين وأفراد الخدمة المؤهلين بتركيب هذا الجهاز أو استبداله أو صيانته.

경고!

승인된 직원과 자격을 갖춘 서비스 담당자만이 이 장비를 설치, 교체 또는 서비스할 수 있습니다.

Waarschuwing

Alleen geautoriseerd personeel en gekwalificeerd onderhoudspersoneel mag deze apparatuur installeren, vervangen of onderhouden..

Restricted Area

Warning! This unit is intended for installation in restricted access areas. A restricted access area can be accessed only through the use of a special tool, lock and key, or other means of security. (This warning does not apply to workstations).

アクセス制限区域

このユニットは、アクセス制限区域に設置されることを想定しています。

アクセス制限区域は、特別なツール、鍵と錠前、その他のセキュリティの手段を用いてのみ出入りが可能です。

警告

此部件应安装在限制进出的场所，限制进出的场所指只能通过使用特殊工具、锁和钥匙或其它安全手段进出的场所。

警告

此裝置僅限安裝於進出管制區域，進出管制區域係指僅能以特殊工具、鎖頭及鑰匙或其他安全方式才能進入的區域。

Warnung

Diese Einheit ist zur Installation in Bereichen mit beschränktem Zutritt vorgesehen. Der Zutritt zu derartigen Bereichen ist nur mit einem Spezialwerkzeug, Schloss und Schlüssel oder einer sonstigen Sicherheitsvorkehrung möglich.

¡Advertencia!

Esta unidad ha sido diseñada para instalación en áreas de acceso restringido. Sólo puede obtenerse acceso a una de estas áreas mediante la utilización de una herramienta especial, cerradura con llave u otro medio de seguridad.

Attention

Cet appareil doit être installée dans des zones d'accès réservés. L'accès à une zone d'accès réservé n'est possible qu'en utilisant un outil spécial, un mécanisme de verrouillage et une clé, ou tout autre moyen de sécurité.

אזור עם גישה מוגבלת

אזהרה!

יש להתקין את היחידה באזורים שיש בהם הגבלת גישה. הגישה ניתנת בעזרת 'מפתח, מנעול וכד' (כלי אבטחה בלבד).

تخصيص هذه انحدة نترك بها ف مناطق محظورة تم .

،ممكن اننصل إن منطقت محظورة فقط من خلال استخذاو أداة خاصت أو أ وس هُت أخري نلالأمما ققم ومفتاح

경고!

이 장치는 접근이 제한된 구역에 설치하도록 되어있습니다. 특수도구, 잠금 장치 및 키, 또는 기타 보안 수단을 통해서만 접근 제한 구역에 들어갈 수 있습니다.

Waarschuwing

Dit apparaat is bedoeld voor installatie in gebieden met een beperkte toegang. Toegang tot dergelijke gebieden kunnen alleen verkregen worden door gebruik te maken van speciaal gereedschap, slot en sleutel of andere veiligheidsmaatregelen.

Battery Handling



Warning! There is the danger of explosion if the battery is replaced incorrectly. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions

電池の取り扱い

電池交換が正しく行われなかった場合、破裂の危険性があります。交換する電池はメーカーが推奨する型、または同等のものを使用下さい。使用済電池は製造元の指示に従って処分して下さい。

警告

電池更換不當會有爆炸危險。請只使用同類電池或制造商推荐的功能相当的電池更換原有電池。請按制造商的說明處理廢舊電池。

警告

電池更換不當會有爆炸危險。請使用製造商建議之相同或功能相當的電池更換原有電池。請按照製造商的說明指示處理廢棄舊電池。

Warnung

Bei Einsetzen einer falschen Batterie besteht Explosionsgefahr. Ersetzen Sie die Batterie nur durch den gleichen oder vom Hersteller empfohlenen Batterietyp. Entsorgen Sie die benutzten Batterien nach den Anweisungen des Herstellers.

Attention

Danger d'explosion si la pile n'est pas remplacée correctement. Ne la remplacer que par une pile de type semblable ou équivalent, recommandée par le fabricant. Jeter les piles usagées conformément aux instructions du fabricant.

¡Advertencia!

Existe peligro de explosión si la batería se reemplaza de manera incorrecta. Reemplazar la batería exclusivamente con el mismo tipo o el equivalente recomendado por el fabricante. Desechar las baterías gastadas según las instrucciones del fabricante.

אזהרה!

קיימת סכנת פיצוץ של הסוללה במידה והוחלפה בדרך לא תקינה. יש להחליף את הסוללה בסוג התואם מחברת יצרן מומלצת. סילוק הסוללות המשומשות יש לבצע לפי הוראות היצרן.

هناك خطر من انفجار في حالة اسبدال البطارية بطريقة غير صحيحة فعلى
اسبدال البطارية
فقط بنفس النوع أو ما يعادلها مما أوصت به الشركة المصنعة
جخلص من البطاريات المسحومة وفقا لعمليات الشركة الصانعة

경고!

배터리가 올바르게 교체되지 않으면 폭발의 위험이 있습니다. 기존 배터리와 동일하거나 제조사에서 권장하는 동등한 종류의 배터리로만 교체해야 합니다. 제조사의 안내에 따라 사용된 배터리를 처리하여 주십시오.

Waarschuwing

Er is ontplofingsgevaar indien de batterij verkeerd vervangen wordt. Vervang de batterij slechts met hetzelfde of een equivalent type die door de fabrikant aanbevolen wordt. Gebruikte batterijen dienen overeenkomstig fabrieksvoorschriften afgevoerd te worden.

Redundant Power Supplies



Warning! This unit might have more than one power supply connection. All connections must be removed to de-energize the unit.

冗長電源装置

このユニットは複数の電源装置が接続されている場合があります。

ユニットの電源を切るためには、すべての接続を取り外さなければなりません。

警告

此部件连接的电源可能不止一个，必须将所有电源断开才能停止给该部件供电。

警告

此装置连接的电源可能不只一个，必须切断所有电源才能停止对该装置的供电。

Warnung

Dieses Gerät kann mehr als eine Stromzufuhr haben. Um sicherzustellen, dass der Einheit kein Strom zugeführt wird, müssen alle Verbindungen entfernt werden.

¡Advertencia!

Puede que esta unidad tenga más de una conexión para fuentes de alimentación. Para cortar por completo el suministro de energía, deben desconectarse todas las conexiones.

Attention

Cette unité peut avoir plus d'une connexion d'alimentation. Pour supprimer toute tension et tout courant électrique de l'unité, toutes les connexions d'alimentation doivent être débranchées.

אם קיים יותר מספק אחד

אזהרה!

ליחידה יש יותר מחיבור אחד של ספק. יש להסיר את כל החיבורים על מנת לרוקן את היחידה.

قد يكون لهذا الجهاز عدة اتصالات بوحدات امداد الطاقة .

يجب إزالة كافة الاتصالات لعسل الوحدة عن الكهرباء

경고!

이 장치에는 한 개 이상의 전원 공급 단자가 연결되어 있을 수 있습니다. 이 장치에 전원을 차단하기 위해서는 모든 연결 단자를 제거해야만 합니다.

Waarschuwing

Deze eenheid kan meer dan één stroomtoevoeraansluiting bevatten. Alle aansluitingen dienen verwijderd te worden om het apparaat stroomloos te maken.

Backplane Voltage



Warning! Hazardous voltage or energy is present on the backplane when the system is operating. Use caution when servicing.

バックプレーンの電圧

システムの稼働中は危険な電圧または電力が、バックプレーン上にかかっています。

修理する際には注意ください。

警告

当系统正在进行时，背板上有很危险的电压或能量，进行维修时务必小心。

警告

當系統正在進行時，背板上有危險的電壓或能量，進行維修時務必小心。

Warnung

Wenn das System in Betrieb ist, treten auf der Rückwandplatine gefährliche Spannungen oder Energien auf. Vorsicht bei der Wartung.

¡Advertencia!

Cuando el sistema está en funcionamiento, el voltaje del plano trasero es peligroso. Tenga cuidado cuando lo revise.

Attention

Lorsque le système est en fonctionnement, des tensions électriques circulent sur le fond de panier. Prendre des précautions lors de la maintenance.

מתח בפנל האחורי

אזהרה!

קיימת סכנת מתח בפנל האחורי בזמן תפעול המערכת. יש להיזהר במהלך העבודה.

هناك خطر من التيار الكهربائي أو الطاقة المتجددة على اللوحة
عندما يكون النظام يعمل كه حذرا عند خدمة هذا الجهاز

경고!

시스템이 동작 중일 때 후면판 (Backplane)에는 위험한 전압이나 에너지가 발생 합니다.
서비스 작업 시 주의하십시오.

Waarschuwing

Een gevaarlijke spanning of energie is aanwezig op de backplane wanneer het systeem in gebruik is. Voorzichtigheid is geboden tijdens het onderhoud.

Comply with Local and National Electrical Codes



Warning! Installation of the equipment must comply with local and national electrical codes.

地方および国の電気規格に準拠

機器の取り付けはその地方および国の電気規格に準拠する必要があります。

警告

设备安装必须符合本地与本国电气法规。

警告

設備安裝必須符合本地與本國電氣法規。

Warnung

Die Installation der Geräte muss den Sicherheitsstandards entsprechen.

¡Advertencia!

La instalación del equipo debe cumplir con las normas de electricidad locales y nacionales.

Attention

L'équipement doit être installé conformément aux normes électriques nationales et locales.

תיאום חוקי החשמל הארצי
אזהרה!
התקנת הציוד חייבת להיות תואמת לחוקי החשמל המקומיים והארציים.

تركيب المعدات الكهربائية يجب أن يمتثل للقوايه المحلية والبطية المتعلقة
بالكهرباء

경고!

현 지역 및 국가의 전기 규정에 따라 장비를 설치해야 합니다.

Waarschuwing

Bij installatie van de apparatuur moet worden voldaan aan de lokale en nationale elektriciteitsvoorschriften.

Product Disposal



Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

製品の廃棄

この製品を廃棄処分する場合、国の関係する全ての法律・条例に従い処理する必要があります。

警告

本产品的废弃处理应根据所有国家的法律和规章进行。

警告

本產品的廢棄處理應根據所有國家的法律和規章進行。

Warnung

Die Entsorgung dieses Produkts sollte gemäß allen Bestimmungen und Gesetzen des Landes erfolgen.

¡Advertencia!

Al deshacerse por completo de este producto debe seguir todas las leyes y reglamentos nacionales.

Attention

La mise au rebut ou le recyclage de ce produit sont généralement soumis à des lois et/ou directives de respect de l'environnement. Renseignez-vous auprès de l'organisme compétent.

סילוק המוצר

אזהרה!

סילוק סופי של מוצר זה חייב להיות בהתאם להנחיות וחוקי המדינה.

التخلص النهائي من هذا المنتج ينبغي التعامل معه وفقا لجميع القوانين واللوائح الوطنية عند

경고!

이 제품은 해당 국가의 관련 법규 및 규정에 따라 폐기되어야 합니다.

Waarschuwing

De uiteindelijke verwijdering van dit product dient te geschieden in overeenstemming met alle nationale wetten en reglementen.

Fan Warning



Warning! Hazardous moving parts. Keep away from moving fan blades. The fans might still be turning when you remove the fan assembly from the chassis. Keep fingers, screwdrivers, and other objects away from the openings in the fan assembly's housing.

ファンの警告

警告!回転部品に注意。運転中は回転部(羽根)に触れないでください。シャーシから冷却ファン装置を取り外した際、ファンがまだ回転している可能性があります。ファンの開口部に、指、ドライバー、およびその他のものを近づけないで下さい。

警告!

警告! 危險的可移動性零件。請務必與轉動的风扇叶片保持距離。當您從機架移除風扇裝置，風扇可能仍在轉動。小心不要將手指、螺絲起子和其他物品太靠近風扇

警告

危險的可移動性零件。請務必與轉動的风扇叶片保持距離。當您從機架移除風扇裝置，風扇可能仍在轉動。小心不要將手指、螺絲起子和其他物品太靠近風扇。

Warnung

Gefährlich Bewegende Teile. Von den bewegenden Lüfterblätter fern halten. Die Lüfter drehen sich u. U. noch, wenn die Lüfterbaugruppe aus dem Chassis genommen wird. Halten Sie Finger, Schraubendreher und andere Gegenstände von den Öffnungen des Lüftergehäuses entfernt.

¡Advertencia!

Riesgo de piezas móviles. Mantener alejado de las aspas del ventilador. Los ventiladores podran dar vuelta cuando usted quite el montaje del ventilador del chasis. Mantenga los dedos, los destornilladores y todos los objetos lejos de las aberturas del ventilador

Attention

Pieces mobiles dangereuses. Se tenir a l'écart des lames du ventilateur Il est possible que les ventilateurs soient toujours en rotation lorsque vous retirerez le bloc ventilateur du châssis. Prenez garde à ce que doigts, tournevis et autres objets soient éloignés du logement du bloc ventilateur.

אזהרה!

חלקים נעים מסוכנים. התרחק מלהבי המאוורר בפעולה כאשר מסירים את חלקי המאוורר מהמארז, יתכן והמאווררים עדיין עובדים. יש להרחיק למרחק בטוח את האצבעות וכלי עבודה שונים מהפתחים בתוך המאוורר

تحذير! أجزاء متحركة خطيرة. ابتعد عن شفرات المروحة المتحركة. من الممكن أن المراوح لا تزال تدور عند إزالة كتلة المروحة من الهيكل يجب إبقاء الأصابع ومفكات البراغي وغيرها من الأشياء بعيدا عن الفتحات في كتلة المروحة

경고!

움직이는 위험한 부품. 회전하는 송풍 날개에 접근하지 마세요. 새시로부터 팬 조립품을 제거할 때 팬은 여전히 회전하고 있을 수 있습니다. 팬 조립품 외관의 열려있는 부분들로부터 손가락 및 스크류드라이버, 다른 물체들이 가까이 하지 않도록 배치해 주십시오.

Waarschuwing

Gevaarlijk bewegende onderdelen. Houd voldoende afstand tot de bewegende ventilatorbladen. Het is mogelijk dat de ventilator nog draait tijdens het verwijderen van het ventilatorsamenstel uit het chassis. Houd uw vingers, schroevendraaiers en eventuele andere voorwerpen uit de buurt van de openingen in de ventilatorbehuizing.

Power Cable and AC Adapter



Warning! When installing the product, use the provided or designated connection cables, power cables and AC adapters. Using any other cables and adapters could cause a malfunction or a fire. Electrical Appliance and Material Safety Law prohibits the use of UL or CSA -certified cables (that have UL/CSA shown on the cord) for any other electrical devices than products designated by Supermicro only.

電源コードとACアダプター

製品を設置する場合、提供または指定および購入された接続ケーブル、電源コードとACアダプターを該当する地域の条例や安全基準に適合するコードサイズやプラグと共に使用下さい。他のケーブルやアダプタを使用すると故障や火災の原因になることがあります。

電気用品安全法は、ULまたはCSA認定のケーブル(UL/CSAマークがコードに表記)を Supermicro が指定する製品以外に使用することを禁止しています。

警告

安装此产品时,请使用本身提供的或指定的或采购的连接线,电源线和电源适配器。包含遵照当地法规和安全要求的合规的电源线尺寸和插头。使用其它线材或适配器可能会引起故障或火灾。除了Supermicro所指定的产品,电气用品和材料安全法律规定禁止使用未经UL或CSA认证的线材。(线材上会显示UL/CSA符号)。

警告

安裝此產品時,請使用本身提供的或指定的或採購的連接線,電源線和電源適配器。包含遵照當地法規和安全要求的合規的電源線尺寸和插頭。使用其它線材或適配器可能會引起故障或火災。除了Supermicro所指定的產品,電氣用品和材料安全法律規定禁止使用未經UL或CSA認證的線材。(線材上會顯示UL/CSA符號)。

Warnung

Nutzen Sie beim Installieren des Produkts ausschließlich die von uns zur Verfügung gestellten Verbindungskabeln, Stromkabeln und/oder Adapter, die Ihre örtlichen Sicherheitsstandards einhalten. Der Gebrauch von anderen Kabeln und Adapter können Fehlfunktionen oder Feuer verursachen. Die Richtlinien untersagen das Nutzen von UL oder CAS zertifizierten Kabeln (mit UL/CSA gekennzeichnet), an Geräten oder Produkten die nicht mit Supermicro gekennzeichnet sind.

¡Advertencia!

Cuando instale el producto, utilice la conexión provista o designada o procure cables, Cables de alimentación y adaptadores de CA que cumplan con los códigos locales y los requisitos de seguridad, incluyendo el tamaño adecuado del cable y el enchufe. El uso de otros cables y adaptadores podría causar un mal funcionamiento o un incendio. La Ley de Seguridad de Aparatos Eléctricos y de Materiales prohíbe El uso de cables certificados por UL o CSA (que tienen el certificado UL / CSA en el código) para cualquier otros dispositivos eléctricos que los productos designados únicamente por Supermicro.

Attention

Lors de l'installation du produit, utilisez les cables de connection fournis ou désigné ou achetez des cables, cables de puissance et adaptateurs respectant les normes locales et les conditions de securite y compris les tailles de cables et les prises electriques appropries. L'utilisation d'autres cables et adaptateurs peut provoquer un dysfonctionnement ou un incendie. Appareils électroménagers et la Loi sur la Sécurité Matériel interdit l'utilisation de câbles certifiés- UL ou CSA (qui ont UL ou CSA indiqué sur le code) pour tous les autres appareils électriques sauf les produits désignés par Supermicro seulement.

AC ימאתמו מיי למשח מילבכ

!הרהזא

ךרוצל ומאתוה וא ושכרנ רשא AC מיימאתמו מיקפס, מילבכב שמתשהל שי, רצומה תא מיניקתמ רשאכ לכב שומיש . עקתהו לבכה לש הנוכח הדימ ללוכ, תוימוקמה תוחיטבה תושירדל ומאתוה רשאו, הנקתהה למשחה ירישכמב שומישה יקוחל מאתהב. ילמשח רצק וא הלקתל מורגל לולע, רחא גוסמ מאתמ וא לבכ לש דוק מהילע עיפומ רשאכ) UL-ב או CSA-ב -ב מיכמומה מילבכב שמתשהל רוסיא מייק, תוחיטבה יקוחו דבלב Supermicro י"ע מאתוה רשא רצומב קר אלא, רחא ילמשח רצומ לכ רובע (UL/CSA)

תאלבאלא אארשב מץ וא אדדחמלא וא ארפוטמלא תאליטוטלא מאדחטסאב מץ, אגתנמלא בייקרת דנע לכלז יפ אמב אילחמלא אמאלסלא תאבלטתמו נינאווקב מאזתלאלא אמ דדרתמלא ראיטלא תאלוחמו אילברמלא קיירח וא לטע יפ בבסטטי דץ ירשא תאלוחמו תאלבאלא יא מאדחטסא. מילסלא סבאלאו לטומוא מץ ח CSA וא UL לביק נמ אדמאמלא תאלבאלא מאדחטסא תאדמלא אילברמלא אזהאלל אמאלסלא נונאק רזחי Supermicro לביק נמ אדדחמלא אילחמלא תאגתנמלא רייג ירשא תאדמא יא אמ (UL/CSA) אמאלע למחתיטלאו

전원 케이블 및 AC 어댑터

경고! 제품을 설치할 때 현지 코드 및 적절한 굵기의 코드와 플러그를 포함한 안전 요구 사항을 준수하여 제공되거나 지정된 연결 혹은 구매 케이블, 전원 케이블 및 AC 어댑터를 사용하십시오.

다른 케이블이나 어댑터를 사용하면 오작동이나 화재가 발생할 수 있습니다. 전기 용품 안전법은 UL 또는 CSA 인증 케이블 (코드에 UL / CSA가 표시된 케이블)을 Supermicro 가 지정한 제품 이외의 전기 장치에 사용하는 것을 금지합니다.

Stroomkabel en AC-Adapter

Waarschuwing! Bij het aansluiten van het Product uitsluitend gebruik maken van de geleverde Kabels of een andere geschikte aan te schaffen Aansluitmethode, deze moet altijd voldoen aan de lokale voorschriften en veiligheidsnormen, inclusief de juiste kabeldikte en stekker. Het gebruik van niet geschikte Kabels en/of Adapters kan een storing of brand veroorzaken. Wetgeving voor Elektrische apparatuur en Materiaalveiligheid verbied het gebruik van UL of CSA -gecertificeerde Kabels (met UL/CSA in de code) voor elke andere toepassing dan de door Supermicro hiervoor beoogde Producten.

Appendix B

System Specifications

Processors

SYS-E200-12D-10C: Single Intel Xeon® Processor D-1749NT

SYS-E200-12D-8C: Single Intel Xeon® Processor D-1736NT

SYS-E200-12D-4C: Single Intel Xeon® Processor D-1718T

Note: Refer to the motherboard specifications pages on our website for updates to supported processors.

Chipset

Intel® SoC

BIOS

256 Mb AMI SPI BIOS

Memory

Up to 128 GB ECC RDIMM, DDR4 2666 MHz or 128 GB ECC/non-ECC DDR4 2666 MHz memory

Storage Drives

One M.2 (PCIe 4.0 x4/SATA 3.0, M-Key 2280)

PCI Expansion Slots

None

Input/Output

Two RJ45 10 GbE LAN ports

One dedicated RJ45 IPMI LAN port

Two SPF28 25 GbE LAN ports

One VGA port

Motherboard

X12SDV-10C/8C/4C-SPT4F; Mini-ITX, Dimensions: 6.7" (L) x 7.1" (W) (170.18 x 180.34mm)

Chassis

CSE-101F; Mini-1U, (WxHxD) 7.7 x 1.7 x 8.9 in. (195 x 43 x 226 mm)

Weight

Gross Weight: 6.5 lbs. (2.95 kg)

Net Weight: 3.0 lbs. (1.36 kg)

System Cooling

Three 4-cm chassis fans

Power Supply

One external 180 watt DC power adapter

System Rating: 12 Vdc (15 A)

AC Input: 180 W: 100-240Vac / 12.5A Max / 47-63Hz

Operating Environment

Operating Temperature: 0° to 40° C (32° to 104° F)

Non-operating Temperature: -40° to 70° C (-40° to 158° F)

Operating Relative Humidity: 8% to 90% (non-condensing)

Non-operating Relative Humidity: 5% to 95% (non-condensing)

Regulatory Compliance

FCC, ICES, CE, VCCI, RCM, UKCA, NRTL, CB

Applied Directives, Standards

EMC/EMI: 2014/30/EU (EMC Directive)
 Electromagnetic Compatibility Regulations 2016
 FCC Part 15 Subpart B
 ICES-003
 VCCI-CISPR 32
 AS/NZS CISPR 32
 EN/BS EN55032
 EN/BS EN55035
 CISPR 32
 CISPR 35
 EN/BS 61000-3-2
 EN/BS 61000-3-3
 EN/BS 61000-4-2
 EN/BS 61000-4-3
 EN/BS 61000-4-4
 EN/BS 61000-4-5
 EN/BS 61000-4-6
 EN/BS 61000-4-8
 EN/BS 61000-4-11

Green Environment:

2011/65/EU (RoHS Directive)
 EC 1907/2006 (REACH)
 2012/19/EU (WEEE Directive)
 California Proposition 65

Product Safety: 2014/35/EU (LVD Directive)

UL/CSA 62368-1 (USA and Canada)

Electrical Equipment (Safety) Regulations

IEC/EN 62368-1

Perchlorate Warning

California Best Management Practices Regulations for Perchlorate Materials: This Perchlorate warning applies only to products containing CR (Manganese Dioxide) Lithium coin cells. "Perchlorate Material-special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate"

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI – A