Local System Information Display Solutions

User's Guide

Revision 1.0

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Date	Revision	Description
09/05/2019	1.0	Initial document.

Contents

1 Introduction

The Supermicro local system information display is an OLED or LCD module on the front of the chassis that shows the status of local static and dynamic system configuration, IPMI, and BIOS information.

1.1 Features

OLED Solution

The OLED module has a full colored 96x64 OLED graphic panel. It also has four navigation buttons, plus Enter and Cancel buttons. The module connects to a USB 2.0 port. The software for this OLED module is available for the Windows and Linux operating systems, and is downloadable at Download OLED software.

Part Number: MCP-220-00119-0B

Figure 1-1. OLED Module

LCD Solution

Supermicro offers an LCD screen that is built into the chassis. The LCD screen displays information on two lines and up to 16 characters. It also has four navigation buttons, plus Enter and Cancel buttons. The LED screen connects to a USB 1.1 port. There is a back light on the screen to enhance visibility. The Linux software for these solutions can be downloaded at Download LCD software, and the Windows software can be downloaded at Download LCD software. The LCD screen comes in three different solutions:

1. PC Solutions: The LCD screen for this solution comes in three colors: black (01), beige (02), and silver (OV). It is compatible with 1U chassis series SC813, SC813M, SC815, and SC819. The part number is MCP-210-00007-01/02/OV; the last two digits represent the color of the LCD module.

2. Embedded Solutions: The LCD screen for this solution comes in two colors: black (01) and beige (02). It is compatible with chassis series SC512, SC512L, and SC512F-260. The part number is MCP-210-00033-01/02; the last two digits represent the color of the LCD module.

3. Storage and IPC Solutions: The LCD screen for this solution comes in black and fits in a 5.25 inch LCD tray without rails or a fixed 3.5 inch HDD (or two 2.5 inch HDD with an optional bracket). It is compatible with chassis series SC213, SC219, SC822, SC835, SC833, SC731, SC732, SC847, and SC747. The part number is MCP-220-00095-0B.

1.2 Product Dimensions

This section shows mechanical drawings of the display module. Images include the front and back views and dimensions.
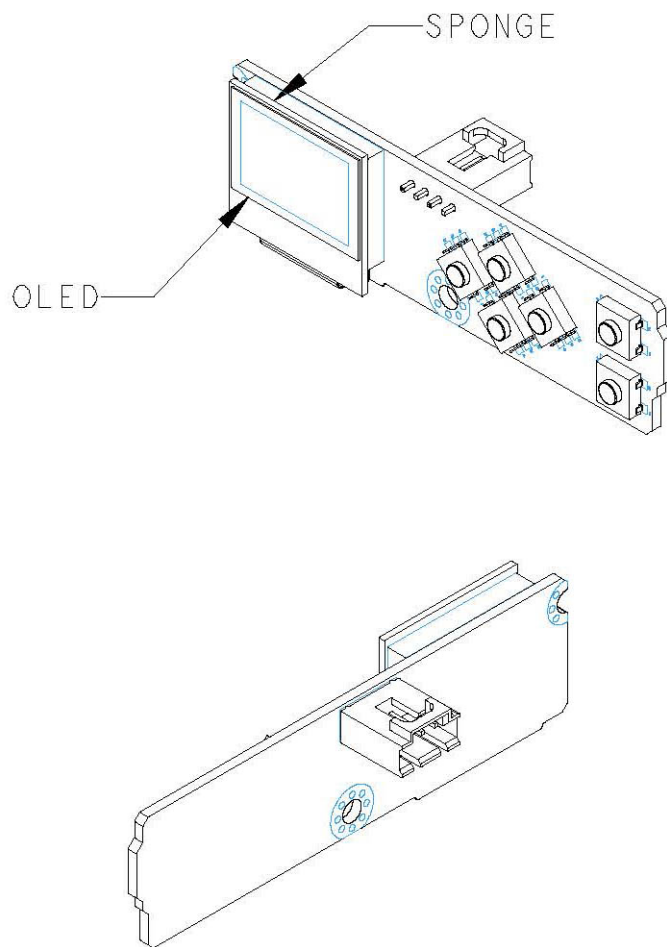
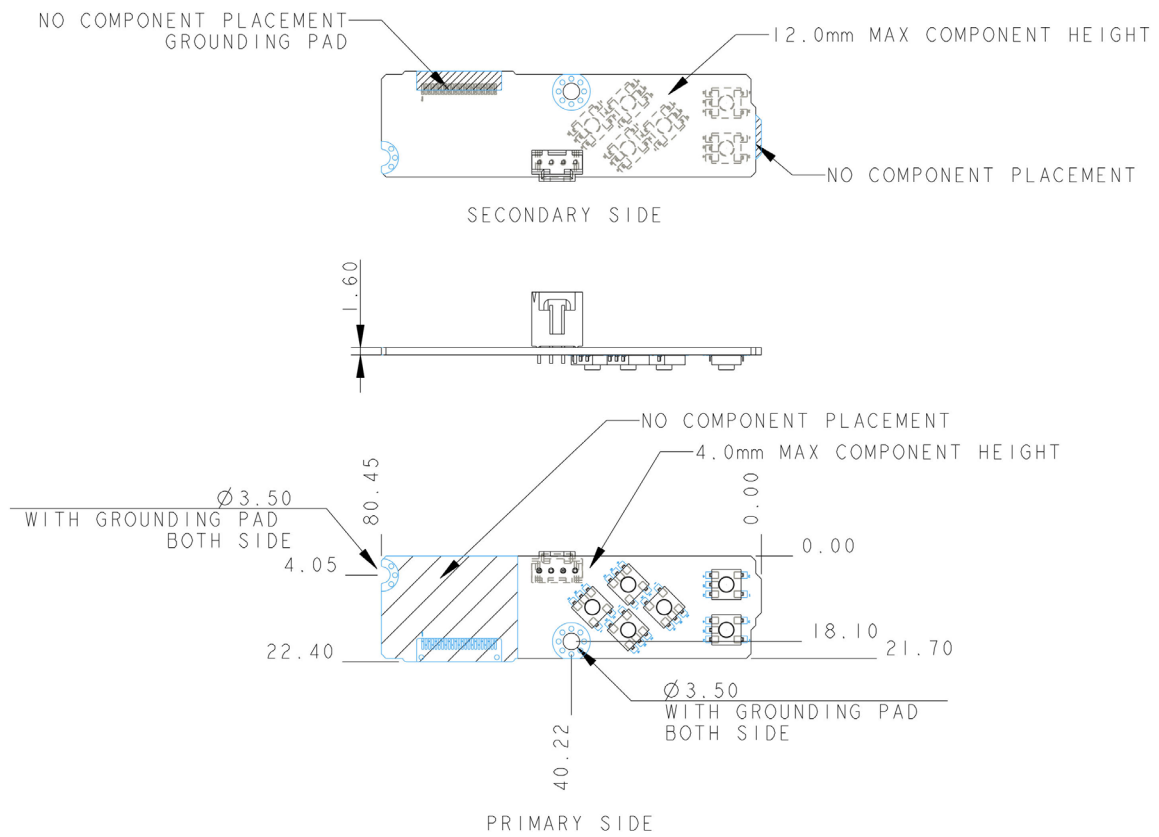Figure 1-2. Front and Back Views of the Module

Figure 1-2. Module Dimensions

1.3 Information Display

Use the following screens below to verify and validate local system information. There are five screens, and each have multiple sections of information.

Navigation Buttons:

To view the screens (1-5), press the Right or Left button.

To view the sections (e.g., 1.1, 1.2, 1.3, 1.4, 1.5), press Enter at the screen, then the Down or Up button.
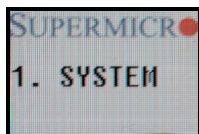
 Figure 1-3. System Screen

This screen displays system information in five sections.

1.1 – CPU: This section displays the CPU quantity, vendor, model, and speed.

1.2 – Memory: This section displays the amount of memory and how much is used and free.

1.3 – HDD: The sections displays the assigned hard drive letter and file system type.

1.4 – Operating System: This section displays the operating system vendor, name, and version.

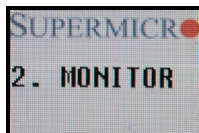1.5 – Network: This section displays the network interface and the IP/MAC/Netmask addresses.

 Figure 1-4. Monitor Screen

This screen displays how much system resources are being used.

2.1 – CPU Usage: This section displays CPU usage.

2.2 – Memory Usage: This section displays memory usage, how much is used and free.

2.3 – HDD Usage: This section displays how much free space is in the hard drive.

2.4 – HDD IO Usage: This section displays hard drive IO usage.

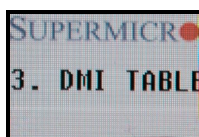2.5 – Network Usage: This section displays network usage.

 Figure 1-5. DMI Table Screen

This screen displays the BIOS information.

3.1 – BIOS: This section displays the BIOS vendor, version, release date, and BIOS ROM size.

3.2 – System: This section displays the system manufacturer, product name, version, serial number, and wake-up type (select the key or switch to wake up the system).

3.3 – Baseboard: This section displays the baseboard manufacturer, product name, version, and serial number.

3.4 – Chassis: This section displays the chassis manufacturer, product name, version, serial number, boot up state, power supply state, and thermal state.

3.5 – Processor: This section displays the processor type, name, version, external clock, max speed, current speed, status, serial number, part number, core count, core enabled, and thread count.

3.6 – Memory: This section displays the location of the memory (motherboard or system), error correction, error information, capacity, and number of devices.

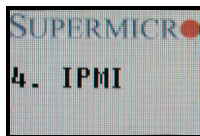3.7 – Cache: This section displays the system cache location and size.

 Figure 1-6. IPMI Screen

This screen displays IPMI information, which varies with each system.

4.1 – Sensor

4.2 – LAN Setting

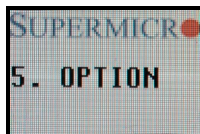4.3 – FRU Info

4.4 – PMBus Info

4.5 – Version

 Figure 1-7. Option Screen

This screen displays the system options.

5.1 – This section displays the date and time.

5.2 – This section displays information about the system.

5.3 – This section displays sample codes.

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