



## Key Features

- Cloud and Virtualization needs
- Connectivity/Storage Computer Nodes
- Database Processing & Storage
- High End Enterprise Server
- Hosting & Application delivery

1. Single AMD EPYC™ 7000-Series Processor
2. Up to 1TB Registered ECC DDR4 2666MHz SDRAM in 8 DIMMs
3. Expansion slots:
  - 3 PCI-E 3.0 x16 (low profile);
  - 3 PCI-E 3.0 x8 (low profile)
4. IPMI 2.0 + KVM with dedicated LAN
5. 2x 1GbE LAN ports via Intel® I210
6. 8 hot-swap 3.5" SAS3/SATA3 Drive Bays, 1 M.2 NVMe SSD Supported
7. 740W Redundant Platinum Level high-efficiency Power Supplies  
*(Full redundancy based on configuration and application load)*



## Specifications

### Motherboard

H11SSL-C

### Processor/Chipset

|                |   |
|----------------|---|
| <b>CPU</b>     | <ul style="list-style-type: none"> <li>■ Single AMD EPYC™ 7000-series Processor (up to 200W)</li> <li>■ Socket SP3</li> </ul> |
| <b>Cores</b>   | <ul style="list-style-type: none"> <li>■ Up to 32 Cores</li> </ul>  |
| <b>Chipset</b> | <ul style="list-style-type: none"> <li>■ System on Chip (SoC)</li> </ul>  |

### System Memory

|                        |  |
|------------------------|--|
| <b>Memory Capacity</b> | <ul style="list-style-type: none"> <li>■ 8 DIMM slots</li> <li>■ Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM</li> <li>■ 8-channel memory bus</li> </ul> |
| <b>Memory Type</b>     | <ul style="list-style-type: none"> <li>■ DDR4 2666 MHz Registered ECC, 240-pin gold-plated DIMMs</li> </ul>  |
| <b>DIMM Sizes</b>      | <ul style="list-style-type: none"> <li>■ 4GB, 8GB, 16GB, 32GB, 64GB, 128GB</li> </ul>  |
| <b>Memory Voltage</b>  | <ul style="list-style-type: none"> <li>■ 1.2V</li> </ul>   |
| <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>                           |

### On-Board Devices

|                            |   |
|----------------------------|---|
| <b>SATA/SAS</b>            | <ul style="list-style-type: none"> <li>■ SATA3/SAS3 (Broadcom 3008)</li> <li>■ Support for Intelligent Platform Management Interface v.2.0</li> </ul> |
| <b>IPMI</b>                | <ul style="list-style-type: none"> <li>■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>■ ASPEED AST2500 BMC</li> </ul>       |
| <b>Network Controllers</b> | <ul style="list-style-type: none"> <li>■ Intel® I210 Controller</li> </ul>  |
| <b>VGA</b>                 | <ul style="list-style-type: none"> <li>■ ASPEED AST2500 BMC</li> </ul>  |

### Expansion Slots

### Dimensions

|               |  |
|---------------|--|
| <b>Height</b> | <ul style="list-style-type: none"> <li>■ 3.5" (89mm)</li> </ul>  |
| <b>Width</b>  | <ul style="list-style-type: none"> <li>■ 17.2" (437mm)</li> </ul>  |
| <b>Depth</b>  | <ul style="list-style-type: none"> <li>■ 25.5" (647mm)</li> </ul>  |
| <b>Weight</b> | <ul style="list-style-type: none"> <li>■ Net Weight: 35.5 lbs (16.1 kg)</li> <li>■ Gross Weight: 69 lbs (31.2 kg)</li> </ul> |

### Front Panel

|                |  |
|----------------|--|
| <b>Buttons</b> | <ul style="list-style-type: none"> <li>■ Power On/Off button</li> <li>■ System Reset button</li> </ul>   |
| <b>LEDs</b>    | <ul style="list-style-type: none"> <li>■ Power LED</li> <li>■ Hard drive activity LED</li> <li>■ 2x Network activity LEDs</li> <li>■ System Overheat LED / Fan fail LED / UID LED</li> </ul> |

### Drive Bays

|                 |   |
|-----------------|---|
| <b>Hot-swap</b> | <ul style="list-style-type: none"> <li>■ 8 hot-swap 3.5" SAS3/SATA3 Drive Bays</li> </ul> |
|-----------------|---|

### Peripheral Drives

|                |   |
|----------------|---|
| <b>DVD-ROM</b> | <ul style="list-style-type: none"> <li>■ Slim DVD-ROM drive (optional)</li> </ul> |
|----------------|---|

### Backplane

|                      |  |
|----------------------|--|
| <b>HDD Backplane</b> | <ul style="list-style-type: none"> <li>■ Supports 8 SAS3/SATA3 3.5" HDD</li> </ul> |
|----------------------|--|

### System Cooling

|             |  |
|-------------|--|
| <b>Fans</b> | <ul style="list-style-type: none"> <li>■ 3 heavy-duty PWM fans with optimal fan speed control</li> </ul> |
|-------------|--|

### Power Supply with Power Distributor

|  |  |
|--|--|
| 740W Redundant high-efficiency power supply with PMBus |  |
| <b>AC Input</b>  | <ul style="list-style-type: none"> <li>■ 100-240 V, 50-60 Hz, 9-3.5 Amp</li> </ul>                 |
| <b>DC Output</b>                                       | <ul style="list-style-type: none"> <li>■ 4 Amp @ +5V standby</li> <li>■ 61.7 Amp @ +12V</li> </ul> |

|            |   |
|------------|---|
| <b>2U</b>  | <ul style="list-style-type: none"> <li>3 PCI-E 3.0 x16 (low profile)</li> <li>3 PCI-E 3.0 x8 (low profile)</li> </ul> |
| <b>M.2</b> | <ul style="list-style-type: none"> <li>Interface: PCI-E 3.0 x4</li> <li>Form factor: 2280, 22110</li> </ul>           |

#### Input / Output

|                 |   |
|-----------------|---|
| <b>SATA/SAS</b> | <ul style="list-style-type: none"> <li>8 SATA3 (6 Gbps) /</li> <li>8 SAS3 ports via Broadcom 3008</li> </ul>                    |
| <b>LAN</b>      | <ul style="list-style-type: none"> <li>2x 1GbE LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>                     |
| <b>USB</b>      | <ul style="list-style-type: none"> <li>3 USB 3.0 ports</li> <li>2 USB 2.0 ports</li> </ul>                                      |
| <b>VGA</b>      | <ul style="list-style-type: none"> <li>1 VGA port</li> </ul>  |
| <b>Others</b>   | <ul style="list-style-type: none"> <li>1 COM port (rear)</li> <li>2 SATA DOM power connector</li> <li>TPM 1.2 header</li> </ul> |

#### System BIOS

|                      |   |
|----------------------|---|
| <b>BIOS Type</b>     | <ul style="list-style-type: none"> <li>AMI 128Mb SPI Flash EEPROM</li> </ul>  |
| <b>BIOS Features</b> | <ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>DMI 2.3</li> <li>PCI 2.2</li> <li>ACPI 5.1</li> <li>USB Keyboard Support</li> <li>SMBIOS 3.1.1</li> </ul> |

Certification



Platinum Certified

#### PC Health Monitoring

|                       |   |
|-----------------------|---|
| <b>CPU</b>            | <ul style="list-style-type: none"> <li>Monitors CPU Core Voltages, +12V, +3.3V, +5V, +5V standby, 3.3V standby, VBAT</li> <li>CPU switching voltage regulator</li> </ul>  |
| <b>FAN</b>            | <ul style="list-style-type: none"> <li>Fan status tachometer monitoring</li> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul>  |
| <b>Temperature</b>    | <ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>CPU Thermal Trip Support</li> <li>Thermal control for 8x Fan connectors</li> <li>I<sup>2</sup>C Temperature Sensing Logic</li> </ul> |
| <b>LED</b>            | <ul style="list-style-type: none"> <li>CPU / System Overheat LED</li> </ul>   |
| <b>Other Features</b> | <ul style="list-style-type: none"> <li>Chassis Intrusion Detection</li> <li>Chassis Intrusion Header</li> </ul>   |

#### Operating Environment / Compliance

|                            |   |
|----------------------------|---|
| <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> |