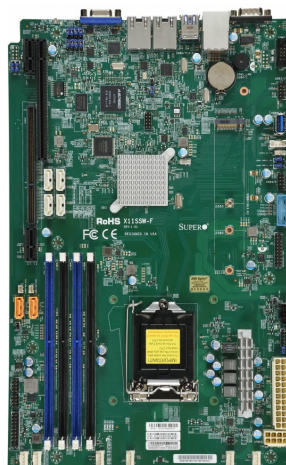


# X11SSW-F



## WIO

### Key Features

1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core i3 series, Intel® Celeron® and Intel® Pentium®
2. Intel® C236 chipset
3. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
4. Expansion slots:  
1 PCI-E 3.0 x4  
(in x16, Right Riser slot),  
1 PCI-E 3.0 x16 (Left Riser slot)
5. Dual GbE LAN with Intel® i210-AT
6. 6 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10
7. I/O: 1 VGA, 2 COM, TPM header
8. 2 SuperDOM with built-in power
9. 5 USB 3.0 (2 rear, 2 via header(s), 1 Type A),  
6 USB 2.0 (2 rear, 4 via header(s))
10. M.2 NGFF connector  
M.2 Interface: PCI-E 3.0 x4 and SATA  
Form Factor: 2260, 2280, 22110  
Key: M-Key  
Double Height Connector

### Links & Resources

- [Tested Memory List](#)
- [Tested HDD / SSD List](#)
- [Tested M.2 List](#)
- [Tested AOC List](#)
- [Motherboard Manual](#)
- [Quick Reference Guide](#)
- [Update Your BIOS](#)
- [BMC/IPMI Firmware](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Driver CD](#)
- [OS Compatibility](#)
- [Optimization](#)



## Specifications ^

### Product SKUs

**MBD-X11SSW-F** ■ X11SSW-F

### Physical Stats

**Form Factor** ■ Proprietary

**Dimensions** ■ 8" x 13" (20.32cm x 33.02cm)

### Processor/Cache

**CPU** ■ Intel® 7th/6th Generation Core i3 series, Intel® Celeron®, Intel® Pentium®, Intel® Xeon® processor E3-1200 v6/v5.  
■ Single Socket H4 (LGA 1151) supported, CPU TDP support 80W

**Note** ■ BIOS version 2.0 or above is required to support 7th Generation Intel® Core i3 Processors and Intel® Xeon® Processor E3-1200 v6 series

### System Memory

Up to 64GB Unbuffered ECC UDIMM, DDR4-

### Expansion Slots

**PCI-E** ■ 1 PCI-E 3.0 x16 Left Riser Slot,  
■ 1 PCI-E 3.0 x4 (in x16 slot)

**M.2** ■ M.2 Interface: PCI-E 3.0 x4 and SATA  
■ Form Factor: 2260, 2280, 22110  
■ Key: M-Key  
■ Double Height Connector

### System BIOS

**BIOS Type** ■ 128Mb SPI Flash EEPROM with AMI BIOS

**BIOS Features** ■ ACPI 1.0 / 2.0 / 3.0 / 4.0  
■ APM 1.2  
■ DMI 2.3  
■ Hardware BIOS Virus protection  
■ PCI 2.3  
■ Plug and Play (PnP)  
■ SMBIOS 2.7.1  
■ UEFI 2.3.1  
■ USB Keyboard support

### Management

**Software** ■ Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog

|                             |                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------|
| <b>Capacity</b>             | 2400MHz, in 4 DIMM slots                                                                    |
| <b>Memory Type</b>          | ■ 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs           |
| <b>DIMM Sizes</b>           | ■ 4GB, 8GB, 16GB                                                                            |
| <b>Memory Voltage</b>       | ■ 1.2V                                                                                      |
| <b>Error Detection</b>      | ■ Corrects single-bit errors                                                                |
| <b>On-Board Devices</b>     |                                                                                             |
| <b>Chipset</b>              | ■ Intel® C236                                                                               |
| <b>SATA</b>                 | ■ Intel® C236 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10                          |
| <b>IPMI</b>                 | ■ ASPEED AST2400 BMC                                                                        |
| <b>Network Controllers</b>  | ■ Dual LAN with Intel® Ethernet Controller I210-AT                                          |
| <b>Graphics</b>             | ■ Aspeed AST2400 BMC                                                                        |
| <b>Input / Output</b>       |                                                                                             |
| <b>USB</b>                  | ■ 6 USB 2.0 ports (2 rear + 4 headers)<br>■ 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A) |
| <b>Video Output</b>         | ■ 1 VGA port                                                                                |
| <b>Serial Port / Header</b> | ■ 2 COM Ports (1 rear, 1 header)                                                            |
| <b>TPM</b>                  | ■ TPM Header                                                                                |

|                                              |                                                                                                                                                  |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Configurations</b>                  | ■ ACPI Power Management<br>■ Power-on mode for AC power recovery                                                                                 |
| <b>PC Health Monitoring</b>                  |                                                                                                                                                  |
| <b>Voltage</b>                               | ■ +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT |
| <b>FAN</b>                                   | ■ 6x 4-pin fan headers (up to 6 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors                     |
| <b>Temperature</b>                           | ■ Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI                                    |
| <b>LED</b>                                   | ■ UID/Remote UID, CPU / System Overheat LED                                                                                                      |
| <b>Other Features</b>                        | ■ Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, WOL                |
| <b>Operating Environment</b>                 |                                                                                                                                                  |
| <b>Operating Temperature Range</b>           | ■ 0°C ~ 50°C (32°F ~ 122°F)                                                                                                                      |
| <b>Non-Operating Temperature Range</b>       | ■ -40°C - 70°C (-40°F - 158°F)                                                                                                                   |
| <b>Operating Relative Humidity Range</b>     | ■ 8% - 90% (non-condensing)                                                                                                                      |
| <b>Non-Operating Relative Humidity Range</b> | ■ 5% - 95% (non-condensing)                                                                                                                      |

Parts List ^

| Parts List (Bulk Package) |              |     |                          |
|---------------------------|--------------|-----|--------------------------|
| Name                      | Part Number  | Qty | Description              |
| Motherboard               | MBD-X11SSW-F | 1   | X11SSW-F Motherboard     |
| I/O Cables                | CBL-0044L    | 2   | 57.5CM SATA FLAT S-S PBF |

| Parts List (Retail Package) |              |     |                                   |
|-----------------------------|--------------|-----|-----------------------------------|
| Name                        | Part Number  | Qty | Description                       |
| Motherboard                 | MBD-X11SSW-F | 1   | X11SSW-F Motherboard              |
| QRG                         | MNL-1784-QRG | 1   | Motherboard Quick Reference Guide |
| I/O Cables                  | CBL-0044L    | 6   | 57.5CM SATA FLAT S-S PBF          |

Chassis (Optimized for X11SSW-F)

| Embedded Compact       | 1U                                                                                                                                                                    | 2U | 3U | Mid/Mini-Tower | 4U/Tower |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------------|----------|
| 1U Heatsink:SNK-P0046P | ● <a href="#">SC815TQC-R504WB</a><br>● <a href="#">SC815TQ-R500WB</a><br>● <a href="#">SC116AC2-R706WB</a><br>● <a href="#">SC514-R407W</a><br>1U Heatsink:SNK-P0046P |    |    |                |          |

● = Most optimized Chassis for SuperServer Configuration  
Blue color = Compatible  
Green color = Global SKU & Compatible  
Red dot & green color = Optimized + Global SKU

Server (Optimized for X11SSW-F)

| Server Name                  |
|------------------------------|
| <a href="#">SYS-5019S-WR</a> |
| <a href="#">SYS-1019S-WR</a> |

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