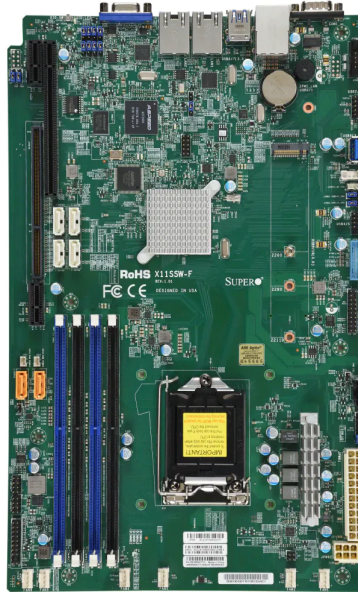# X11SSW-F

WIO

Key Features

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®

Intel® C236 chipset

Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots

Expansion slots:

1 PCIe 3.0 x4

(in x16, Right Riser slot),

1 PCIe 3.0 x16 (Left Riser slot)

M.2 NGFF connector

M.2 Interface: PCIe 3.0 x4 and SATA

Form Factor: 2260, 2280, 22110

Key: M-Key

6 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10

Dual GbE LAN with Intel® i210-AT

I/O: 1 VGA, 2 COM, TPM header

2 SuperDOM with built-in power

5 USB 3.0 (2 rear, 2 via header(s), 1 Type A), 6 USB 2.0 (2 rear, 4 via header(s))

Optimized Servers

SYS-1019S-WR

SYS-5019S-WR

Specifications

Product SKUs
MBD-X11SSW-F

Physical Stats
Form Factor
Proprietary
Dimension
8" x 13" (20.32cm x 33.02cm)

Processor
CPU
Intel® Celeron®, Intel® Pentium®, Intel® 7th/6th Generation Core i3 series, Intel® Xeon® processor E3-1200 v6/v5

Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 80W TDP
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
Memory Capacity
4 DIMM slots

64GB Unbuffered ECC UDIMM, DDR4-2400MHz
Memory Type
2400/2133/1866/1600 MT/s SDRAM 72-bit, 288-pin gold-plated DIMMs
DIMM Sizes
4GB, 8GB, 16GB
Memory Voltage
1.2V
Error Detection
Corrects single-bit errors

On-Board Devices
Chipset
Intel® C236
SATA
Intel® C236 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI
ASPEED AST2400 BMC
Graphics
1 ASPEED AST2400 BMC port(s)
Network Controllers
Dual LAN with Intel® Ethernet Controller I210-AT

Input / Output
USB
3 USB 3 port(s) (1 Type A; 2 via header)
6 USB 2.0 port(s) (4 via header; 2 rear)
2 USB 3.0 port(s) (2 rear)
Video Output
1 VGA port(s)
Serial Port
2 COM Port(s) (1 header; 1 rear)
TPM
1 TPM Header

Expansion Slots
PCIe
1 PCIe 3.0 x16 Left Riser Slot,
1 PCIe 3.0 x4 (in x16 slot)
M.2
M.2 Interface: PCIe 3.0 x4; SATA
Form Factor: 22110, 2260, 2280
Key: M-Key

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
SuperDoctor® 5, NMI, SUM, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
Power Configurations
Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring
Voltage
VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V
LED
UID/Remote UID
CPU / System Overheat LED
Temperature
Monitoring for CPU and chassis environment
CPU thermal trip support
Thermal Monitor 2 (TM2) support
PECI
FAN
6x 4-pin fan headers (up to 6 fans)
Thermal control tachometer fan connectors
Fan speed control
Overheat LED indication
Other Features
WOL
M.2 NGFF connector
CPU thermal trip support for processor protection
Control of power-on for recovery from AC power loss

Operating Environment
Operating Temperature Range
0°C - 50°C (32°F - 122°F)
Non-Operating Temperature Range
-40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range
8% - 90% (non-condensing)

Non Operating Relative Humidity Range
5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

I/O Cables

Part Number	CBL-0044L • *eStore*
Qty	2
Description	57.5CM SATA FLAT S-S PBF

Standard Parts (Retail Package)

I/O Cables

Part Number	CBL-0044L • *eStore*
Qty	6
Description	57.5CM SATA FLAT S-S PBF

QRG

Part Number	MNL-1784-QRG
Qty	1
Description	Motherboard Quick Reference Guide