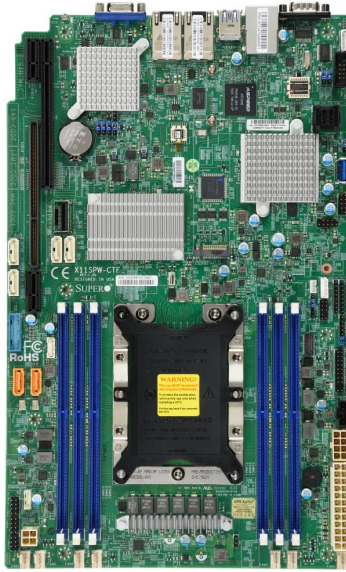


X11SPW-CTF



WIO VROC support

Key Features

2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, , Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 205W TDP

Intel® C622 chipset

Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz, in 6 DIMM slots

M.2 NGFF connector

M.2 Interface: PCIe 3.0 x4 and SATA

Form Factor: 2280, 22110

Key: M-Key

Double Height Connector

Expansion slots:

1 PCIe 3.0 x8 (in x16), 1 PCIe 3.0 x32 Left Riser slot

2 10GbE LAN ports

10 SATA3 (6Gbps) via C622

4 SAS3 (12Gbps) via Broadcom® 3008; RAID 0, 1, 10

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

2 SuperDOM with built-in power

Specifications

Product SKUs**MBD-X11SPW-CTF****Physical Stats****Form Factor**

Proprietary WIO

Dimension

8" x 13" (20.32cm x 33.02cm)

Processor**CPU**

2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors

Single Socket LGA-3647 (Socket P) supported, CPU TDP supports Up to 205W TDP

Core

Up to 28 cores

System Memory**Memory Capacity**

6 DIMM slots

Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz

Memory Type

2933/2666/2400/2133 MT/s ECC DDR4 LRDIMM (3DS), RDIMM (3DS)

DIMM Sizes

LRDIMM: 32GB, 64GB, 128GB

RDIMM: 8GB, 16GB, 32GB, 64GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

On-Board Devices**Chipset**

Intel® C622

SATA

Intel® C622 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Broadcom® 3008 SW controller for 4 SAS3 (12 Gbps) ports; RAID 0,1,10

IPMI

ASPEED AST2500

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Dual LAN with 10GBase-T with Intel® X722 + X557

Input / Output**SATA**

10 SATA3 (6Gbps) port(s)

SAS

4 SAS port(s)

LAN

2 RJ45 10GBase-T ports

USB

3 USB 3 port(s) (1 Type A; 2 via header)

7 USB 2.0 port(s) (2 rear; 5 via header)

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA port(s)

Serial Port

2 COM Port(s) (1 header; 1 rear)

DOM2 SATA **DOM** (Disk on Module) power connector support**TPM**

1 TPM Header

Expansion Slots**PCIe**

1 PCIe 3.0 x8 (in x16 slot),

1 PCIe 3.0 x32 Left Riser Slot

M.2

M.2 Interface: PCIe 3.0 x4; SATA

Form Factor: 2280, 22110

Key: M-Key

System BIOS**BIOS Type**

AMI UEFI

BIOS Features

ACPI 6.0

RTC (Real Time Clock) Wakeup

SMBIOS 3.0 or later

Management**Software**SuperDoctor® 5, NMI, **SUM**, KVM with dedicated LAN, **SPM**, Intel® Node Manager, **IPMI2.0**, Watchdog**Power Configurations**

Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring**Voltage**

VBAT, Supports system management utility, Monitors CPU voltages, HT, Chassis intrusion header, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V, 7-fan status

LED

UID/Remote UID

Suspend static indicator LED

CPU / System Overheat LED

Temperature

CPU thermal trip support

PECI

FAN

7x 4-pin fan headers (up to 7 fans)

System level control

PWM fan speed control

Fan speed control

Overheat LED indication

Other Features

WOL

UID

RoHS

Control of power-on for recovery from AC power loss

ACPI power management

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

Optional Parts

TPM security module

Part Number	AOM-TPM-9671H	AOM-TPM-9670H	AOM-TPM-9671V	AOM-TPM-9670V
Qty	1	1	1	1
Description	SPI capable TPM 1.2 with Infineon 9670 controller with horizontal form factor	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor	SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
