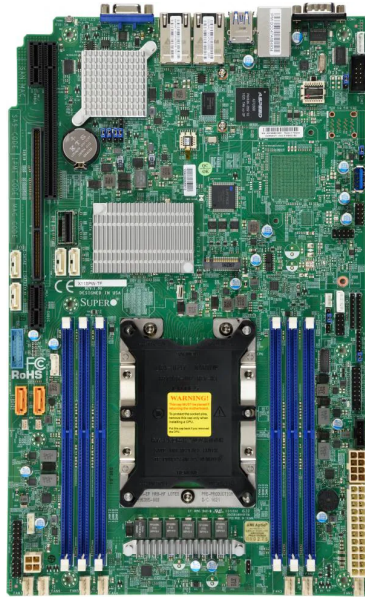


X11SPW-TF



WIO VROC support

Key Features

1. 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
2. Intel® C622 chipset
3. Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz, in 6 DIMM slots
4. M.2 NGFF connector
M.2 Interface: PCI-E 3.0 x4 and SATA
Form Factor: 2280, 22110
Key: M-Key
Double Height Connector
5. Expansion slots:
1 PCI-E 3.0 x8 (in x16), 1 PCI-E 3.0 x32 Left Riser slot
6. 2 10GbE LAN ports
7. 10 SATA3 (6Gbps) via C622
8. I/O: 1 VGA, 2 COM, TPM header
9. 2 SuperDOM with built-in power

Specifications

Product SKUs

MBD-X11SPW-TF	<ul style="list-style-type: none"> X11SPW-TF
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Physical Stats

Form Factor	<ul style="list-style-type: none"> Proprietary WIO
Dimension	<ul style="list-style-type: none"> 8" x 13" (20.32cm x 33.02cm)

Processor

CPU	<ul style="list-style-type: none"> 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
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Core	<ul style="list-style-type: none"> Up to 28 cores
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Note	<ul style="list-style-type: none"> BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)
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System Memory

Memory Capacity	<ul style="list-style-type: none"> 6 DIMM slots Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz
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Memory Type	<ul style="list-style-type: none"> 2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
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DIMM Sizes	<ul style="list-style-type: none"> LRDIMM: 32GB, 64GB, 128GB RDIMM: 8GB, 16GB, 32GB, 64GB
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Memory Voltage	<ul style="list-style-type: none"> 1.2V
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Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors
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On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C622
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SATA	<ul style="list-style-type: none"> Intel® C622 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
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IPMI	<ul style="list-style-type: none"> ASPEED AST2500
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Graphics	<ul style="list-style-type: none"> ASPEED AST2500 BMC
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Network Controllers	<ul style="list-style-type: none"> Dual LAN with 10GBase-T with Intel® X722 + X557
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Input / Output

SATA	<ul style="list-style-type: none"> 10 SATA3 (6Gbps) port(s)
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LAN	<ul style="list-style-type: none"> 2 RJ45 10GBase-T ports
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Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x8 (in x16 slot), 1 PCI-E 3.0 x32 Left Riser Slot
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M.2	<ul style="list-style-type: none"> M.2 Interface: PCI-E 3.0 x4; SATA Form Factor: 2280, 22110 Key: M-Key
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System BIOS

BIOS Type	<ul style="list-style-type: none"> AMI UEFI
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BIOS Features	<ul style="list-style-type: none"> ACPI 6.0 RTC (Real Time Clock) Wakeup SMBIOS 3.0 or later
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Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, NMI, <u>SUM</u>, KVM with dedicated LAN, <u>SPM</u>, Intel® Node Manager, <u>IPMI2.0</u>, Watchdog
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Power Configurations	<ul style="list-style-type: none"> Power-on mode for AC power recovery, ACPI Power Management
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PC Health Monitoring

Voltage	<ul style="list-style-type: none"> 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
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LED	<ul style="list-style-type: none"> UID/Remote UID Suspend static indicator LED CPU / System Overheat LED
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Temperature	<ul style="list-style-type: none"> CPU thermal trip support PECI
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FAN	<ul style="list-style-type: none"> 7x 4-pin fan headers (up to 7 fans) System level control PWM fan speed control Fan speed control Overheat LED indication
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Other Features	<ul style="list-style-type: none"> WOL UID RoHS Control of power-on for recovery from AC power loss ACPI power management
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Operating Environment

Operating Temperature Range	<ul style="list-style-type: none"> 0°C - 50°C (32°F - 122°F)
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Non-Operating Temperature Range	<ul style="list-style-type: none"> -40°C - 70°C (-40°F - 158°F)
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USB	<ul style="list-style-type: none">▪ 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	<ul style="list-style-type: none">▪ 1 VGA port(s)
Serial Port	<ul style="list-style-type: none">▪ 2 COM Port(s) (1 header; 1 rear)
DOM	<ul style="list-style-type: none">▪ 2 SATA DOM (Disk on Module) power connector support
TPM	<ul style="list-style-type: none">▪ 1 TPM Header

Operating Relative Humidity Range	<ul style="list-style-type: none">▪ 8% - 90% (non-condensing)
Non Operating Relative Humidity Range	<ul style="list-style-type: none">▪ 5% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SPW-TF	1	X11SPW-TF Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	2	57.5CM SATA FLAT S-S PBF

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module	<u>AOM-TPM-9671H</u>	1	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
	<u>AOM-TPM-9670H</u>	1	
	<u>AOM-TPM-9671V</u>	1	
	<u>AOM-TPM-9670V</u>	1	

Chassis (Optimized for X11SPW-TF)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<u>SCLA15TQC-563W</u> ● <u>SC815TQC-605WB</u> <u>SCLA15TQC-R504W</u> ● <u>SC815TQC-R504WB</u>	● <u>SC825TQ-R500WB</u> Heatsink:SNK-P0068PS			

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

Server (Optimized for X11SPW-TF)

Server Name
<u>SYS-1019P-FHN2T</u>
<u>SYS-1019P-WTR</u>
<u>SYS-5019P-WT</u>
<u>SYS-5019P-WTR</u>
<u>SYS-5029P-WTR</u>
<u>SYS-E403-9P-FN2T</u>
<u>SYS-1019P-FRN2T</u>
<u>SYS-1019P-FRDN2T</u>

