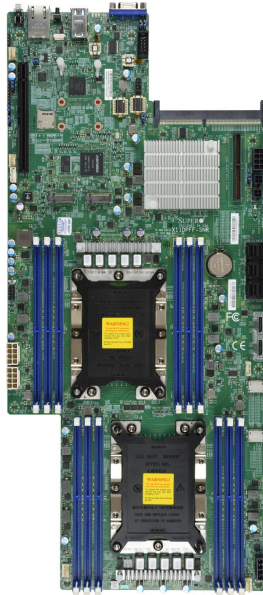


X11DPFF-SNR (For SuperServer Only)



Key Features

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165W TDP, 2 UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 2TB DCPMM, DDR4-2666MHz, in 12 DIMM slots
4. 1 PCI-E 3.0 x16 Left Riser Slot,
1 PCI-E 3.0 x16 Right Riser Slot
M.2 Interface: 2 SATA/PCI-E 3.0 x4, RAID 0 & 1
M.2 Form Factor: 2242/2260/2280/22110
U.2 Interface: 4 PCI-E 3.0 x4,
4 PCI-E 3.0 NVMe x4 Internal Port(s)
5. Intel® C621 controller for SATA3 (6 Gbps) ports; RAID 0,1,5,10
6. 1 VGA port
7. Single LAN with
Networking options provided via SIOM module

Specifications

Product SKUs

- **MBD-X11DPFF-SNR** ■ X11DPFF-SNR

Physical Stats

- **Form Factor** ■ Proprietary FatTwin
- **Dimension** ■ 8.441" x 18.724" (21.44cm x 47.56cm)

Processor

- **CPU** ■ 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors
- Dual Socket LGA-3647 (Socket P) supported, CPU TDP supports Up to 165W TDP, Dual UPI up to 10.4 GT/s

- **Core** ■ Up to 28 cores

- **Note** ■ ** Motherboard supports this maximum TDP. Please verify your system can thermally support.
- BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP
- 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)

System Memory

- **Memory Capacity** ■ 12 DIMM slots
- Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz
- Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz

- **Memory Type** ■ 2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)

- **DIMM Sizes** ■ LRDIMM: 64GB
- RDIMM: 64GB

- **Memory Voltage** ■ 1.2V

- **Error Detection** ■ Detects double-bit errors (using ECC memory)

On-Board Devices

- **Chipset** ■ Intel® C621

- **SATA** ■ Intel® C621 controller for SATA3 (6 Gbps) ports; RAID 0,1,5,10

Expansion Slots

- **PCI-E** ■ 1 PCI-E 3.0 x16 Left Riser Slot,
- 1 PCI-E 3.0 x16 Right Riser Slot

- **M.2** ■ M.2 Interface: 2 SATA/PCI-E 3.0 x4, RAID 0 & 1
- Form Factor: 2242/2260/2280/22110

System BIOS

- **BIOS Type** ■ AMI UEFI

Management

- **Software** ■ SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support

- **Power Configurations** ■ ACPI Power Management

PC Health Monitoring

- **Voltage** ■ VBAT, Monitors CPU voltages, Chipset Voltage, 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages

- **LED** ■ BMC/IPMI Heartbeat LED
- CPU / System Overheat LED

- **Temperature** ■ Monitoring for CPU and chassis environment
- CPU thermal trip support

- **FAN** ■ 4x 4-pin fan headers (up to 4 fans)
- PWM fan speed control

- **Other Features** ■ WOL, UID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Chassis intrusion detection, SDDC, RoT

Operating Environment

- **Operating Temperature Range** ■ 10°C - 35°C (50°F - 95°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)

IPMI	▪ ASPEED AST2500
Network Controllers	▪ Single LAN, Networking options provided via SIOM module

Input / Output

SATA	▪ 12 SATA3 (6Gbps) port(s)
SAS	▪ 12 SAS port(s)
LAN	▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 2 USB 3.0 port(s) (2 rear)
Video Output	▪ 1 VGA port(s)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPFF-SNR	1	X11DPFF-SNR Motherboard

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module (optional, not included)	AOM-TPM-9671H	1	SPI capable TPM 1.2 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 SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor
	AOM-TPM-9671V	1	
	AOM-TPM-9670V	1	
	AOM-TPM-9670H	1	

Server (Optimized for X11DPFF-SNR)

Server Name
SYS-F619P2-FT+

