



Key Features

- Web Server, Firewall Apps.
- Corporate-Wins, DNS, Print, Login
- Gateway, provisioning servers
- Compact Network Appliance
- Cloud Computing

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 1.5TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 12 DIMM slots
3. 2 PCI-E 3.0 x16 (FHHL) slots, 1 PCI-E 3.0 x8 (LP) slot, 1 PCI-E 3.0 x16 for Add-on-Module, 1 PCI-E M.2 SSD slot
4. 4 Hot-swap 3.5" SAS3/SATA3 drive bays
5. 2 1GbE LAN ports via Intel X722
6. 1 VGA, 4 USB 3.0 (rear)
7. 750W Redundant Power Supplies
Platinum Level High-efficiency

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Motherboard

Super X11DDW-L

Processor/Cache

CPU

- Dual Socket P (LGA 3647)
- Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
- Support CPU TDP 70-165W*

Cores

- Up to 28 Cores with Intel® HT Technology

Note

* Certain high Frequency optimized CPU within 165Ws are not supported, for example, Intel Gold 6144 and 6146 are not supported on the system.

System Memory

Memory Capacity

- 12 DIMM slots
- Up to 1.5TB ECC 3DS LRDIMM, 768GB ECC RDIMM, DDR4 up to 2666MHz

Memory Type

- 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

Chipset

- Intel® C621 chipset

SATA

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

Network Controllers

- Dual LAN with Gigabit Ethernet from C621

IPMI

- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Video

- ASPEED AST2500 BMC

Input / Output

SATA

- 4 SATA3 (6 Gbps) ports

LAN

- 2 RJ45 Gigabit Ethernet ports
- 1 RJ45 Dedicated IPMI LAN port

USB

- 4 USB 3.0 ports (rear)

Video

- 1 VGA port

DOM

- 2 SuperDOM (Disk on Module) ports

Dimensions and Weight

Width

- 17.2" (437mm)

Height

- 1.7" (43mm)

Depth

- 23.5" (597mm)

Gross Weight

- 46 lbs (20.9kg)

Available Colors

- Black

Front Panel

Buttons

- Power On/Off button
- UID button

LEDs

- Power status LED
- HDD activity LED
- Network activity LEDs
- Universal Information (UID) LED

Expansion Slots

- 2 PCI-E 3.0 x16 (FHHL) slots
- 1 PCI-E 3.0 x8 (LP) slot
- 1 PCI-E 3.0 x16 for Add-on-Module (AOM)
- 1 PCI-E M.2 SSD slot

PCI-Express

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers.

Drive Bays

- 4 Hot-swap 3.5" SATA3 drive bays

Backplane

SAS/SATA HDD Backplane

System Cooling


Fans

- 4 Counter-rotating 4cm PWM fans

AC/DC240V Input Redundant Power Supply

700W/750W Redundant Power Supplies with PMBus

System BIOS	
BIOS Type	■ AMI 32Mb SPI Flash ROM
Management	
Software	<ul style="list-style-type: none"> ■ Intel® Node Manager ■ IPMI 2.0 ■ KVM with dedicated LAN ■ SSM, SPM, SUM ■ SuperDoctor® 5 ■ Watch Dog
Power Configurations	■ ACPI / APM Power Management
PC Health Monitoring	
CPU	<ul style="list-style-type: none"> ■ Monitors for CPU Cores, Chipset Voltages, Memory. ■ 4+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> ■ Fans with tachometer monitoring ■ Status monitor for speed control ■ Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> ■ Monitoring for CPU and chassis environment ■ Thermal Control for fan connectors

Total Output Power	■ 700W/750W
Dimension (W x H x L)	■ 54.5 x 40.25 x 320 mm
Input	<ul style="list-style-type: none"> ■ 100 - 140Vac / 8 - 6A / 50-60Hz ■ 200 - 240Vac / 4.5 - 3.8A / 50-60Hz ■ 200 - 240Vdc / 4.5 - 3.8A (CCC Only)
+12V	<ul style="list-style-type: none"> ■ Max: 58A / Min: 0.5A (100 - 140Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vac) ■ Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)
+5V sb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	 UL/cUL/CB/BSMI/CE/CCC Platinum Certified
Operating Environment	
RoHS	■ RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> ■ Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) ■ Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) ■ Operating Relative Humidity: 8% to 90% (non-condensing) ■ Non-operating Relative Humidity: 5% to 95% (non-condensing)