

IS-1029P



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. 10 Hot-swap 2.5" SAS/SATA HDD bays (default 8 SATA3, 2 NVMe or SATA3)
5. 2x 10GBase-T LAN ports via Intel® X722
6. 1 VGA, 6 USB 3.0 (4 rear, 2 front)
7. 2 SuperDOM (Disk on Module) ports
8. 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-NT

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® C622 chipset
- SATA**
- SATA3 (6Gbps); RAID 0, 1, 5, 10
- Network Controllers**
- Dual LAN with 10Gbase-T from C622

- 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**
- 8 SATA3 (6 Gbps) ports and 2 NVMe/SATA3 hybrid ports
- LAN**
- 2 RJ45 10GBase-T ports
 - 1 RJ45 Dedicated IPMI LAN port

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

- Hot-swap**
- 8 SATA3 (6Gbps) ports and 2 NVMe/SATA3 hybrid ports (connected to onboard storage controller)

Backplane

SAS/SATA HDD Backplane

System Cooling

USB	■ 6 USB 3.0 ports (4 rear, 2 front via header)
Video	■ 1 VGA port
DOM	■ 2 SuperDOM (Disk on Module) ports
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

Fans	■ 4 Counter-rotating 4cm PWM fans, 2 fans for AOC cooling
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AC/DC240V Input Redundant Power Supply

700W/750W Redundant Power Supplies with PMBus

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
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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)