

IS-6029P



Key Features

- Cloud and Virtualization needs
- Compute Intensive Application
- Database Processing and Storage
- High Availability Storage
- Hosting & Application Delivery

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 2TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 16 DIMM slots
Supports Intel Optane Memory NVDIMM
3. 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8 slots
4. 8 Hot-swap 3.5" SATA3 drive bays; RAID 0, 1, 5, 10
5. Optional DVD-ROM drive, optional support: 2 fixed 2.5" NVMe/SSD/HDD, 1 M.2 support
6. 2x 1GbE LAN ports with Intel® X722
7. 1000W Redundant Power Supplies
Titanium Level (96% efficiency)

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

Specifications

Motherboard

Super X11DPI-N

Processor/Cache

CPU

- Dual Socket P (LGA 3647)
- Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
- Support CPU TDP 70-205W

Cores

- Up to 28 Cores with Intel® HT Technology

System Memory

Memory Capacity

- 16 DIMM slots
- Up to 2TB ECC 3DS LRDIMM, 512GB 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 1GbE LAN with Intel® X722

IPMI

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

Graphics

- ASPEED AST2500 BMC

Input / Output

SATA

- 8 SATA3 (6Gbps) ports

LAN

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

USB

- Rear USB: 2 USB 3.0 + 2 USB 2.0
- Front USB: 2 USB 2.0
- USB Header: 1 Type A

VGA

- 1 VGA port

Serial Port / Header

- 2 Fast UART 16550 serial
- 2 COM Ports (1 rear, 1 header)

Dimensions and Weight

Width

- 17.2" (437mm)

Height

- 3.5" (89mm)

Depth

- 25.5" (647mm)

Package

- 26.7" (H) x 11.4" (W) x 34.5" (D)

Weight

- Net Weight: 35.5 lbs (16.1 kg)
- Gross Weight: 69 lbs (31.2 kg)

Available Colors

- Black

Front Panel

Buttons

- Power On/Off button
- System Reset button
- UID button

LEDs

- Power status LED
- HDD activity LED
- Network activity LEDs
- System information (overheat/UID) LED

Expansion Slots

PCI-Express

- 4 PCI-E 3.0 x16 (Low-profile)
- 2 PCI-E 3.0 x8 (Low-profile)

Drive Bays

Hot-swap

- 8 Hot-swap 3.5" SATA drive bays

Backplane

2U SAS/SATA backplane

System Cooling

Fans

- 3 Heavy duty 80mm fans with PWM fan speed control



Power Supply (76mm Width)

1000W Redundant Power Supplies with PMBus

Total Output Power

- 800W/1000W

DOM	<ul style="list-style-type: none"> 2 SuperDOM (Disk on Module) ports
System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI UEFI
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	<ul style="list-style-type: none"> 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

Dimension (W x H x L)	<ul style="list-style-type: none"> 76 x 40 x 336 mm
Input	<ul style="list-style-type: none"> 100-127Vac / 12-9A / 50-60Hz 200-240Vac / 7.2-6A / 50-60Hz 200-240Vdc / 7.2-6A (for CCC only)
+12V	<ul style="list-style-type: none"> Max: 66.7A / Min. 0A (100-127Vac) Max: 83A / Min. 0A (200-240Vac) Max: 83A / Min. 0A (200-240Vdc)
5Vsb	<ul style="list-style-type: none"> Max: 4A / Min: 0A
Output Type	<ul style="list-style-type: none"> 19 Pairs Gold Finger Connector
Certification	  <ul style="list-style-type: none"> UL/cUL/CB/BSMI/CE/CCC Titanium Level

Operating Environment	
RoHS	<ul style="list-style-type: none"> 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)