

WS-2029GP



Coming Soon

Key Features

- Supports up to 6 GPUs

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
3. 6 PCI-E 3.0 x16 slots, 1 PCI-E 3.0 x8 (in x16) slots
4. 8 Hot-swap 2.5" SAS/SATA drive bays, 2 Hot-swap 2.5" SAS/SATA/NVMe drive bays
5. 1 **SIOM** for flexible Networking
6. 5x 8cm heavy duty fans with optimal fan speed control
7. 2000W Redundant Power Supplies **Platinum Level (94%)**

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

Specifications

Motherboard

Super X11DPG-SN

Processor/Cache

- | | |
|--------------|--|
| CPU | <ul style="list-style-type: none"> ■ Dual Socket P (LGA 3647) ■ Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s ■ Support CPU TDP 70-205W |
| Cores | <ul style="list-style-type: none"> ■ Up to 28 Cores with Intel® HT Technology |

System Memory

- | | |
|------------------------|--|
| Memory Capacity | <ul style="list-style-type: none"> ■ 16 DIMM slots ■ Up to 2TB ECC 3DS LRDIMM, 2TB ECC RDIMM, DDR4 up to 2666MHz |
| Memory Type | <ul style="list-style-type: none"> ■ 2666/2400/2133MHz ECC DDR4 SDRAM |

On-Board Devices

- | | |
|-----------------|---|
| Chipset | <ul style="list-style-type: none"> ■ Intel® C621 chipset |
| SATA | <ul style="list-style-type: none"> ■ SATA3 (6Gbps) with RAID 0, 1, 5, 10 ■ Support for Intelligent Platform Management Interface v.2.0 ■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Graphics | <ul style="list-style-type: none"> ■ ASPEED AST2500 BMC |

Input / Output

- | | |
|----------------------|--|
| SATA | <ul style="list-style-type: none"> ■ 2 SATA3 (6Gbps) ports, 2 miniSAS ports |
| LAN | <ul style="list-style-type: none"> ■ 1 RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> ■ 2 USB 3.0 ports (rear) |
| Video | <ul style="list-style-type: none"> ■ 1 VGA port |
| Serial Header | <ul style="list-style-type: none"> ■ 1 Fast UART 16550 header |

System BIOS

- | | |
|------------------|---|
| BIOS Type | <ul style="list-style-type: none"> ■ AMI 256Mb SPI Flash ROM |
|------------------|---|

Management

Dimensions and Weight

- | | |
|------------------------|--|
| Height | <ul style="list-style-type: none"> ■ 3.5" (89mm) |
| Width | <ul style="list-style-type: none"> ■ 17.2" (437mm) |
| Depth | <ul style="list-style-type: none"> ■ 31" (787mm) |
| Package | <ul style="list-style-type: none"> ■ 26.5" (H) x 11" (W) x 44.5" (D) |
| Weight | <ul style="list-style-type: none"> ■ Net Weight: 39.5 lbs (17.9 kg) ■ Gross Weight: 54 lbs (24.5 kg) |
| Available Color | <ul style="list-style-type: none"> ■ Black |

Front Panel

- | | |
|----------------|---|
| Buttons | <ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button |
| LEDs | <ul style="list-style-type: none"> ■ Power LED ■ Hard drive activity LED ■ Network activity LEDs ■ System Overheat LED / Fan fail LED / UID LED |

Expansion Slots

- | | |
|--------------------|---|
| PCI-Express | <ul style="list-style-type: none"> ■ 6 PCI-E 3.0 x16 slots ■ 1 PCI-E 3.0 x8 (in x16, LP) slot |
|--------------------|---|

Drive Bays


- | | |
|-----------------|---|
| Hot-swap | <ul style="list-style-type: none"> ■ 10 Hot-swap 2.5" drive bays |
|-----------------|---|

System Cooling

- | | |
|-------------|---|
| Fans | <ul style="list-style-type: none"> ■ 5x 8cm Heavy duty fans with optimal fan speed control |
|-------------|---|

Power Supply

- | | |
|--|--|
| 2000W 1U Redundant Power Supplies with PMBus | |
| Total Output Power | <ul style="list-style-type: none"> ■ 1000W/1800W/1980W/2000W |
| Dimension (W x H x L) | <ul style="list-style-type: none"> ■ 73.5 x 40 x 265 mm |
| Input | <ul style="list-style-type: none"> ■ 100-120Vac / 12.5-10.5A / 50-60Hz ■ 200-220Vac / 10-9.5A / 50-60Hz ■ 220-230Vac / 10-9.8A / 50-60Hz ■ 230-240Vac / 10-9.8A / 50-60Hz ■ 200-240Vac / 10-9.8A (UL/cUL only) ■ 200-240Vdc / 10-9.1A (CCC only) |

Software	<ul style="list-style-type: none"> ■ Intel® Node Manager ■ IPMI 2.0 ■ KVM with dedicated LAN ■ SSM, SPM, SUM ■ SuperDoctor® 5 ■ Watch Dog 	+12V	<ul style="list-style-type: none"> ■ Max: 83.3A / Min: 0.1A (100-120Vac) ■ Max: 150A / Min: 0.1A (200-220Vac) ■ Max: 165A / Min: 0.1A (220-230Vac) ■ Max: 166.7A / Min: 0.1A (230-240Vac) ■ Max: 166.7A / Min: 0.1A (200-240Vac) (UL/cUL only)
Power Configurations	<ul style="list-style-type: none"> ■ ACPI / APM Power Management 	12V SB	<ul style="list-style-type: none"> ■ Max: 3.5A / Min: 0A
PC Health Monitoring		Output Type	<ul style="list-style-type: none"> ■ 25 Pairs Gold Finger Connector
CPU	<ul style="list-style-type: none"> ■ Monitors for CPU Cores, Chipset Voltages, Memory. ■ 4+1 Phase-switching voltage regulator 	Certification	 Platinum Level
FAN	<ul style="list-style-type: none"> ■ Fans with tachometer monitoring ■ Status monitor for speed control ■ Pulse Width Modulated (PWM) fan connectors 	Operating Environment	
Temperature	<ul style="list-style-type: none"> ■ Monitoring for CPU and chassis environment ■ Thermal Control for fan connectors 	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)