

Deployment¹

Students	<ul style="list-style-type: none"> • up to 7,500
Devices	<ul style="list-style-type: none"> • up to 20,625
Throughput	<ul style="list-style-type: none"> • up to 3Gbps

Processor

CPU	<ul style="list-style-type: none"> • Single Socket P (LGA 3647) • 2nd Gen Intel Xeon Scalable Processors and Intel Xeon Scalable Processors • Support CPU TDP 70-165W
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System Memory

Memory Capacity	<ul style="list-style-type: none"> • 6 DIMM slots • Up to 1.5TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM
Memory Type	<ul style="list-style-type: none"> • 2933/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM
DIMM Sizes	<ul style="list-style-type: none"> • 64GB, 32GB, 16GB, 8GB, 4GB

Input/Output

SATA	<ul style="list-style-type: none"> • 12 SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> • 2 RJ45 1GbE LAN ports • 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> • 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A) • 6 USB 2.0 ports (2 rear + 4 headers)
Serial Port	<ul style="list-style-type: none"> • 2 COM ports (1 rear, 1 header) • 2 SuperDOM (Disk on Module) ports with built-in power
VGA	<ul style="list-style-type: none"> • 1 VGA Port



¹The number of users a network appliance can handle depends on user activity, type of traffic, simultaneous usage, and Quality of Service (QoS) requirements. These factors affect bandwidth consumption and processing resources, impacting overall network performance.

Drive Bays

HDD	<ul style="list-style-type: none"> • 4 Hot-swap 3.5" SATA3 drive bays
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On-Board Devices

Chipset	<ul style="list-style-type: none"> • Intel® C621 chipset
SATA	<ul style="list-style-type: none"> • SATA3 (6Gbps) via C621 controller • RAID 0, 1, 5, 10 support
Network Controllers	<ul style="list-style-type: none"> • Dual Gigabit Ethernet LAN with Marvell 88E1512 • Supports up to 1000BASE-T (RJ45) and 10GBASE-T (SFP+)
IPMI	<ul style="list-style-type: none"> • Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Chassis

Form Factor	<ul style="list-style-type: none"> • 1U Rackmount
Height	<ul style="list-style-type: none"> • 1.7" (43mm)
Width	<ul style="list-style-type: none"> • 17.2" (437mm)
Depth	<ul style="list-style-type: none"> • 19.9" (503mm)
Weight	<ul style="list-style-type: none"> • Net Weight: 17.6 lbs (8 kg) • Gross Weight: 30.4 lbs (13.8 kg)
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 Information LED

Expansion Slots

PCI-E	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x16 slot (FH, HL)
M.2	<ul style="list-style-type: none"> • 1x M.2 Interface: PCI-E 3.0 x4 • Form Factor: 2242, 2280 • Key: M-Key • Double Height Connector

System BIOS

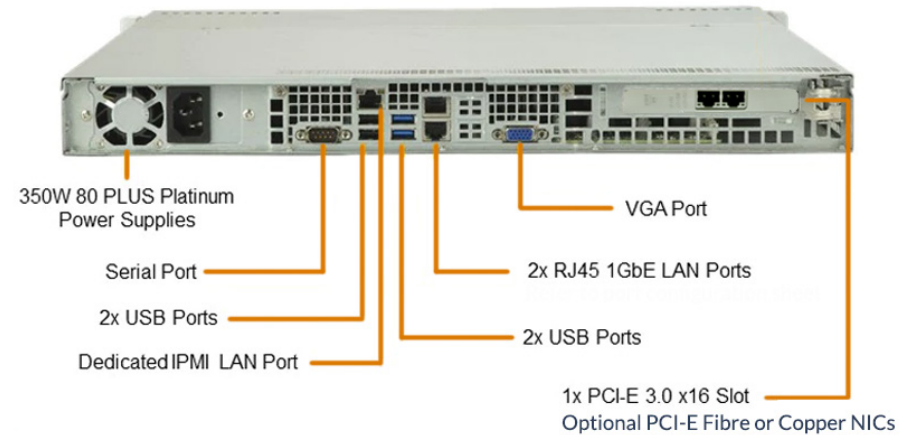
BIOS Type	<ul style="list-style-type: none"> • AMI UEFI
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System Cooling

Fans	<ul style="list-style-type: none"> • 4x 40x28mm PWM fans • Optional 2 fans for AOC cooling
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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



Power Supply

Power Supply	<ul style="list-style-type: none"> • 350W AC power supply w/ PFC
AC Voltage	<ul style="list-style-type: none"> • 100-240 V, 50-60 Hz, 5.0-2.5 Amp
Certification	<ul style="list-style-type: none"> • Platinum Certified



Operating Environment/Compliance

RoHS	<ul style="list-style-type: none"> • RoHS Compliant
Environmental Spec	<ul style="list-style-type: none"> • Operating Temperature: 10°C to 35°C (50°F to 95°F) • Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)