

## Deployment<sup>1</sup>

Students	<ul style="list-style-type: none"> <li>• up to 100,000</li> </ul>
Devices	<ul style="list-style-type: none"> <li>• up to 206,250</li> </ul>
Throughput	<ul style="list-style-type: none"> <li>• up to 20Gbps</li> </ul>

## Processor

CPU	<ul style="list-style-type: none"> <li>• 2 x Intel Xeon Gold 6258R</li> </ul>
Clock Speed	<ul style="list-style-type: none"> <li>• 2.70GHz</li> </ul>
Cores	<ul style="list-style-type: none"> <li>• 28</li> </ul>
Intel Virtualization Technology	<ul style="list-style-type: none"> <li>• Yes</li> </ul>
Hyper-Threading	<ul style="list-style-type: none"> <li>• Yes</li> </ul>
Average CPU Mark	<ul style="list-style-type: none"> <li>• 63,984</li> </ul>
Single Thread Rating	<ul style="list-style-type: none"> <li>• 2,346MOps/Sec</li> </ul>

## System Memory

Memory Capacity	<ul style="list-style-type: none"> <li>• 384GB</li> </ul>
Memory Type	<ul style="list-style-type: none"> <li>• DDR4</li> </ul>
Speed	<ul style="list-style-type: none"> <li>• 3200MHz</li> </ul>

## Storage

Storage Capacity	<ul style="list-style-type: none"> <li>• 480GB SSD</li> </ul>
HDD	<ul style="list-style-type: none"> <li>• 8 Hot-swap 3.5" SAS/SATA drive bays</li> </ul>
Interface	<ul style="list-style-type: none"> <li>• 6.0Gb/s Serial ATA</li> </ul>

## Network Interface Cards

Onboard	<ul style="list-style-type: none"> <li>• 2 x 1Gbps</li> </ul>
Expansion	<ul style="list-style-type: none"> <li>• 4 x 10Gbps RJ45 (Either 10Gb PCI-E NIC Dual SFP+ Port optional SR, LR; or LRM Modules with LC connectors or Dual port Ethernet NIC with bypass 10GB SFP+ Fiber SR LC connectors)</li> </ul>



<sup>1</sup> The 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.

## Chassis

Form Factor	<ul style="list-style-type: none"> <li>• 2U Rackmount</li> </ul>
Height	<ul style="list-style-type: none"> <li>• 3.5" (89mm)</li> </ul>
Width	<ul style="list-style-type: none"> <li>• 17.2" (437mm)</li> </ul>
Depth	<ul style="list-style-type: none"> <li>• 25.5" (648mm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• Gross Weight: 62 lbs (28.1 kg)</li> </ul>
Color	<ul style="list-style-type: none"> <li>• Black</li> </ul>

## Power Supply

Power Supply	<ul style="list-style-type: none"> <li>• 1000W Redundant Power Supplies with PMBus</li> </ul>
Redundant Power	<ul style="list-style-type: none"> <li>• Yes</li> </ul>
Certification	<ul style="list-style-type: none"> <li>• Titanium Level</li> </ul>



## Operating Environment/Compliance

RoHS	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> </ul>
Environmental Spec	<ul style="list-style-type: none"> <li>• Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>• Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li> <li>• Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>• Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>