



## D-1000

### 380V DC Rack Mount Systems Exclusively for Data Centers

DC data center technology is more energy efficient and safer to use than traditional alternating current (AC) technology. By trimming power conversion losses, DC technology can improve energy efficiency by 10 to 20 percent. DC systems are also less complex, requiring less space and equipment, and have proven to reduce facility and equipment costs of up to 30 percent.

NEI's D-1000 380V DC rack mount server is developed expressly for DC data center applications. The D-Series uses the latest Intel® Xeon® Dual Socket CPUs to deliver the highest possible performance to DC data centers. Applications requiring up to four enterprise-class disk drives can benefit from Intel's Xeon technology with support for dual 8-core processors, and up to 384GB of SDRAM. This combination of power and performance allows NEI customers to build optimum data center solutions.

## Features and Benefits

### Built for Efficiency

- 380V DC Server Power Supplies for increased energy efficient data centers
- Latest in Intel technology to ensure maximum price/performance effectiveness

### Built for High-Reliability Applications

- Enterprise class SATA & SAS drives and RAID ensure maximum reliability
- Hot swap hard drives and power supplies ensure low Mean-Time-To-Repair (MTTR)
- Redundant power supplies ensure high reliability in case of a failure

## D-1000 at a glance

- 1U Rack Mount Chassis
- Single Server Motherboard
- Dual 8-core Intel E5-2600 Series (Sandy Bridge-EP) + Intel Patsburg chipset
- 24x DIMM Slots
- 4x 3.5" Hot-Swap HDDs
- Redundant 650W 380V DC PSUs

Our legacy of streamlining application deployment models to create physical, virtual and cloud-ready solutions has made NEI one of the industry's most trusted partners. We are a leading provider of solution design, system integration, application management, global logistics, support and maintenance services for software and telecommunications developers and OEMs worldwide.

#### Solution Design

- Advanced solution engineering
- Comprehensive image creation services
- Full regulatory compliance certifications
- Custom bezel and package branding

#### System Integration

- Seamless hardware and software integration
- Appliance and frame-level manufacturing
- Quality-controlled build processes
- Complete solution testing

#### Application Management

- Remote health management
- Automatic and controlled software updates
- Element and appliance management
- Physical and virtual appliances

#### Global Logistics

- Worldwide shipping, handling and distribution
- Direct delivery and fulfillment services
- Evaluation pool management services
- Customer portal

#### Support & Maintenance

- Full hardware/software technical support
- Anytime, anywhere break/fix services
- Advance server and parts replacement

# D-1000 technical specifications

## Form Factor

1U rack mount

## Dimensions (WxHxD)

430 W x 43.5 H x 710 D mm (without bezel)

## Processors

Dual Intel Xeon E5-2600 Series  
(Sandy Bridge-EP) Processor

## Chipset

Intel 602 Patsburg – A + Option ROM

## Expansion Slots

- 1x low profile PCI-e x16 (x16) Gen3

## Memory

- 24 x DDR3 1066/1333/1600 MHz DIMM Slots; RDIMM

## RAID Controllers

- 4x SATA 3Gb/s + 2x SATA 6Gb/s, Patsburg-A S/W RAID 0,1,5,10
- On board LSI 2008 SAS-6G S/W RAID
- On board SAS /SATA S/W RAID by option ROM

## Storage Type

- 4x 3.5" Hot Swap HDD bays

## LAN Ports

- 2x 1 GbE (Intel i-350)
- 2x 10GbE (Intel x540)
- 1x 100BASE-TX for Management (ASPEED AST2300)

## SVR. Mgmt.

- ASPEED AST2300 IPMI 2.0 / iKVM

## VGA

Integrated in ASPEED AST2300

## Front I/O

- Power SW w/LED, ID button w/LED, Reset SW, NMI SW
- HDD access LED, Status LED, 2x USB

## Rear I/O

- ID button w/LED, VGA, COM
- 2x USB, 3x RJ45, 2x 10G BASE-T

## Cooling

- 6x Easy-Swap Fans 40 x 56 mm
- 2x CPU Heat-Sink

## Power

- 1+1 Redundant
- 650W 380V DC, 80+, Platinum

**Note:** specifications subject to change without notice.

## Support and Maintenance Services

NEI offers a variety of support and maintenance service programs to ensure high availability, rapid response, effective troubleshooting, fast parts replacement and 24-hour support. Please visit [www.nei.com/supportservices](http://www.nei.com/supportservices) for more information.

Solution Design

System Integration

Application Management

Global Logistics

Support &amp; Maintenance



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