

Forge DL320e

PRODUCT OVERVIEW

If you're looking for a NEBS and ETSI compliant 1U compact rack server designed to give your organization a competitive edge, look no further than the Vector Data Forge DL320e server. This powerful single-processor server packs the latest computing technology and management features into a small unit at a low cost.

About half the size of the original DL320e server, the Vector Data Forge DL320e supports the latest Intel® Xeon® Processor E3-1200 v3 Product Family, as well as the most affordable Intel Pentium® and Intel® Core™ i3 processors. It also offers two PCIe Gen3 I/O slots, up to 32 GB DDR3 1,600 MHz memory, and up to 8 TB of internal storage, all in a 15.07-inch short-depth chassis. Server reliability and quality are enhanced with SmartMemory and SmartDrive technologies, while the Integrated Lights-Out (iLO) Management Engine makes the server easier to install, configure, manage, and maintain.

Enabling you to pack more servers into smaller space for less money, the Forge DL320e offers superior technology at an affordable price. Designed for outstanding flexibility and versatility, the Forge DL320e supports a wide range of configuration options to efficiently handle your workloads, such as file/print, Web serving/hosting, networking, and security. Whether your organization is a large corporation or a small company, you can easily configure the Forge DL320e Server to match your business needs.

Perfect for NFV (network function virtualization), the Forge DL320e offers full support for VMware®, OpenStack, and other leading virtualization platforms, providing a foundation for SDN and the network of the future.

The Vector Data Forge DL320e offers:

- Flexible configuration options—Meeting a wide variety of computing needs with advanced technologies like:
- Intel Xeon Processor E3-1200 v3 Series family with support for up to 3.6 GHz and four cores and the processing power to handle a variety of workloads; the latest, budget-friendly Pentium and Core i3 processors are also available
- Outstanding configuration flexibility that supports either four small form factor (SFF) or two large form factor (LFF) drive configurations, four DDR3 UDIMMs, 300 W or 750 W power supplies, and enhanced deployment options via two PCIe slots and seven USB ports



- NEBS and ETSI compliance (requiring four SFF configurations and 750 W power supply) for ensuring high performance and reliability in Telecom environments
- A compact design—A short-depth 15.07-inch server chassis meets mobility and space requirements, with easy access to system components.
- Seamless network connectivity—Provides seamless connectivity and offers greater data availability, including features such as a user-friendly interface and link aggregation

iLO 4 features include:

- Intelligent Provisioning—A single embedded tool for all server setup and configuration tasks, Intelligent Provisioning automates system configuration, deployment, and updates. All firmware, drivers, and tools are built into the servers, so no CDs or DVDs are required for installation
- Active Health System—Avoids unplanned downtime by proactively managing server health. Active Health System predicts and avoids failures with continuous 24x7 agentless health monitoring and alerting. In addition, Active Health System logs 100 percent of configuration changes and conducts faster problem analysis with unified diagnostic tools that securely transfer data to Support

Key Features

- NEBS and ETSI compliant with compact, short-depth rack design
- Intel Xeon Processor E3-1200 v3 Product Family, Intel Core i3 processors, and Intel Pentium processors
- Two LFF or four SFF configurations, two PCIe Built-in data protection and management features
- Embedded management and built-in data protection features
- Perfect for NFV and SDN. Supports VMware®, OpenStack, and other leading virtualization platforms

TECHNICAL SPECIFICATIONS

Feature	Forge DL320e Compliant Components
Processor family	Intel Xeon Processor E3-1200 v3 Product Family Intel Core i3: i3-4130, i3-4130T Intel Pentium: G3220, G3420
Processor cache	8 MB L3 (for Quad-core processors) 3 MB L3 (for Dual-core processors)
Number of processors	One
Processor cores available	Four or two
Max processor speed	3.6 GHz
Drive description	Two LFF SAS/SATA/SSD (Applicable for Hot Plug; Non-Hot Plug two-LFF supports SATA drives) Four SFF SAS/SATA/SSD
Supported drives	Hot Plug 2.5-inch SAS, Hot Plug 2.5-inch SATA, Hot Plug 2.5-inch SAS SSD, Hot Plug 2.5-inch SATA SSD Hot Plug 3.5-inch SAS, Hot Plug 3.5-inch SATA, Hot Plug 3.5-inch SATA SSD, Non-Hot Plug 3.5-inch SATA
Memory slots	Four DIMM slots
Max memory	32GB
Memory type	PC3-12800E UDIMMs DDR3 PC3L-12800E UDIMMs DDR3 PC3L-10600E UDIMMs DDR3
Memory protection features	Unbuffered ECC
Network controller	One Ethernet 1 Gb two-port NC332i adapter Additional options include various Gigabit and 10 Gigabit Ethernet adapters
Storage controller	One Dynamic Smart Array B120i SATA RAID Performance BTO model also has one Smart Array P222 Storage Controller. Additional options include various controllers such as high-performance Smart Array SAS controllers (with up to 2 GB FBWC).
Expansion slots	Two PCIe: One PCIe 16X Gen3 (8X speed), half length, full height One PCIe 8X Gen3 (4X speed), low profile
Management	iLO Management Engine iLO Advanced (optional), iLO Essentials (optional), Insight Control software (optional)
System Fans	Three non-redundant fan assemblies (two front and one center) ship standard
Form factor chassis	1U rack form factor (15.07-inch chassis depth)
Power supply type	300 W (80% efficiency) standard; 750 W DC common slot power supply, 94% efficiency optional
OS support	-Microsoft® Windows® Server -Linux (Red Hat Enterprise Linux, SUSE Linux Enterprise Server, and Ubuntu) -VMware
Warranty	One-year parts, one-year labor, one-year onsite

For more information, please contact your Vector Data account manager.

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