lopoco
low power systems

LP-2180
The LP-2180, Ultra Low Power Server

Essentials

Among the most popular and broadly deployed ultra low power systems is the Lopoco LP-2180. The LP-2180 is best utilized in environments where the workload is average most of the time, therefore effectively reducing power & HVAC costs by 80% while enabling higher densities with tremendous customer value. This compelling value proposition translates to better price/performance, better power/performance and better availability than current purpose-built servers. The amount of work done per dollar per watt is the core of the LP-2180 server. The LP-2180s are typically used as Web, DNS, Mail, Storage, Monitoring, Cloud and Caching servers but can also fulfill office desktop requirements. The server's small footprint yet powerful I/O capabilities allows for very effective clustering solutions, significantly improving redundancy and reliability. Lopoco's energy efficient design features include ultra-high efficient power supply units right-sized for system requirements, simple yet effective thermal management, innovative system-level design efficiency, and highly efficient standards-based Energy Smart components.

Specifications

- Dual-core Intel 64-bit processor
- Up to eight SATA drives (up to 8 Terabytes internal storage)
- 2 Gigabit Ethernet network interfaces
- Up to 4GB of non-ECC DDR3 memory
- 1U, half-depth size, accommodating up to 80 units in a standard 19" rack
- IPMI 2.0

Software Support

Runs all recent x86 Operating Systems listed below (but not limited to):

- Linux RedHat Enterprise 4.x, 5.x, 6.x
- Ubuntu 9.x & 10.04 LTS
- Debian stable/testing
- FreeBSD 7.x, 8.x
- OpenBSD 4.x
- Windows Vista, 7

Performance

Capable of serving more than 9K static HTTP requests per second

Power Consumption

- Idle: 22.6 Watts w/2 drives
- Peak: 31 Watts w/2 drives

Available Models

- LP-2180-2I   Up to 2 internal disks
- LP-2180-2H   Up to 2 hot swap disks
- LP-2180-4H   Up to 4 hot swap disks
- LP-2180-8H   Up to 8 hot swap disks

A wide variety of rotating hard drives and SSDs can be ordered.

Deployments

Many LP-2180 servers are currently deployed in the field with various configurations, providing a myriad of services at a very low cost

Availability & Pricing

- Available Immediately
- Please contact us for a preferred quote
- Prices start at $749.99 + tax

Warranty & Services

- All servers come with a limited 1 year depot warranty (parts and labor)
- An additional 3-year service contract is available