

LP-E170 Family

The LP-E170 Low Power Server

Essentials

One of the more popular and broad-shouldered servers in the Lopoco line is the LP-E170 family of ultra-efficient servers. The LP-E170 family is best utilized for applications with a heavy CPU workload or requiring extensive memory utilization. Effectively reducing power and HVAC costs by a combined 75% while enabling higher densities, this server achieves tremendous customer value. The LP-E170 server line lives up to the commodity hardware promise, unlike many blade-based designs. This compelling value proposition translates to better price/performance and better power/performance than current purpose-built servers. The amount of work done per dollar per watt is the core of the LP-E170 server, and far exceeds any other vendor's product. The LP-E170 line is typically used as Web, File and Caching (memcached, squid) servers, and is perfect for CPU-weighted Cloud workloads. The LP-E170's concurrent processing capabilities lend it especially to heavy-weight web frameworks, like Ruby or Tomcat backed by Mysql. The server's small power footprint yet powerful capabilities make it ideal for large scale deployments, significantly improving redundancy and reliability. Lopoco's ultra-efficient server design includes quiet but effective thermal management, ultra-efficient power supplies and highly efficient standards-based Energy Smart components. Each server comes with a warranty that includes the specific power consumption figures, from idle to TDP.

Power Consumption*

- Idle: 36 Watts
- Peak (TDP): 135 Watts

Specifications

- Intel Xeon E5-2650Lv4 64-bit processor, 1.7 GHz to 2.5 GHz turbo, 35M Intel Smartcache, 28 logical cores
- Up to 1TB ECC DDR4 memory
- 2 x Intel Gigabit Ethernet LAN port
- Separate LAN port for IPMI and nKVM
- 10, 40 Gb Ethernet, and FC options available – contact us for information

Software Support

Runs all recent X86 Operating Systems, including:

- All major Linux distributions (Redhat, Ubuntu, SUSE)
- Microsoft Windows Server & Hyper-V
- VMware vSphere

*Power consumption varies depending on configuration, ambient temperature and other factors.



Available Models

- LP-E170-6H Up to 6 hot swap disks (max. 24 TB)
- LP-E170-8H Up to 8 hot swap disks (max. 32 TB)
- LP-E170-10H Up to 10 hot swap disks (max. 40 TB)

A wide variety of rotating media disks and SSDs are available to order. Additional LAN expansion cards are also available.

Deployments

Many LP-E170 servers are currently deployed in the field with various configurations, providing a myriad of services at very low operating cost.

Availability & Pricing

- Available for immediate delivery
- Prices start at \$2,650.00US
- Ready to install, fully built racks available
- Please contact us for a preferred quote

Warranty, Support & Services

- All servers come standard with a limited one year, parts and labor depot warranty, including specific power consumption figures
- Software pre-installation and configuration available
- An additional 2-year service contract is available

Contact:

E-mail: info@lopoco.com

Web: www.lopoco.com

Twitter: [@lowpowercompany](https://twitter.com/lowpowercompany)

Tel: **650.735.1280**

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