

# LP-6240 Family

## The LP-6240 Low Power Server

### Essentials

One of the more popular and broad-shouldered servers in the Lopoco line is the LP-6240 family of ultra-efficient servers. The LP-6240 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-6240 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-6240 server, and far exceeds any other vendor's product. The LP-6240 line is typically used as Web, Mail, File and Caching (memcached, squid) servers, and is perfect for CPU-weighted Cloud workloads. The LP-6240'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: 34 Watts
- Peak (TDP): 115 Watts

### Specifications

- Intel Xeon E5-2360Lv2 64-bit processor, 2.4 GHz to 2.8 GHz turbo, 15M Intel Smartcache, 12 logical cores
- Up to 512 GB ECC DDR3 memory
- 2 x Intel Gigabit Ethernet LAN port
- IPMI 2.0 with separate LAN port, with nKVM
- 10G Ethernet available – contact us for information

### Software Support

Runs all recent X86 Operating Systems, including:

- All major Linux distributions (Redhat, Ubuntu, ...)
- Microsoft Windows Server 7, 8
- FreeBSD and OpenBSD

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



### Available Models

- LP-6240-6H Up to 6 hot swap disks (max. 12 TB)
- LP-6240-8H Up to 8 hot swap disks (max. 16 TB)
- LP-6240-10H Up to 10 hot swap disks (max. 20 TB)

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

### Deployments

Many LP-6240 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 \$2,650.00
- 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 3-year service contract is available

### Contact:

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# Conventional Rack vs Lopoco

## Equal Throughput

Two Racks  
each 12.5  
kW

One Rack  
4.4 kW

Conventional	Item	Lopoco
Dell R720/HP DL380	<b>Server</b>	LP-6240
Intel E5-26xx	<b>Processor</b>	Intel E5-26xx
up to 256 GB	<b>Memory</b>	up to 512 GB
up to 8	<b>Drives</b>	up to 10
up to 6	<b>Network Connections</b>	up to 6
Intel	<b>NIC chipset</b>	Intel
36 of 2U	<b># servers</b>	40 of 1U
1X	<b>Throughput</b>	1X
21.6 kW	<b>Power TDP</b>	4.1 kW
9.0 kW	<b>Power Idle</b>	1.5 kW
Baseline	<b>Equipment Cost</b>	<b>\$90k/156k less</b>
Baseline	<b>Operating Cost</b>	<b>\$129,000 less</b>

Conventional

**lopoco**  
low power systems

**16**  
servers

**20**  
servers

**40**  
servers

- Same internal parts => no compatibility issues
- Designed for energy efficiency => save \$\$\$