

# Lopoco – Company Profile

- Ultra-Efficient Server designer & manufacturer ([www.lopoco.com](http://www.lopoco.com))
  - ¼ the power usage of conventional servers
  - Standard processors, memory & drives; Standard contract manufacturers
  - Broad installed base – Zero field failures
  - “Most Efficient Server” ever certified by experts Power Assure Corporation
  - Designed for use with existing servers & racks – no compatibility issues
- Silicon Valley headquarters. Founded 2010 by Intel, Sun, HP industry veterans
- Customer Benefits
  - Save money → 50% less Data Center energy costs & lower server cost
  - Save space → use fewer racks
  - Save energy → realize green computing
  - Run cool and quiet → producing much less heat and vibration, the two causes of most server failures
  - Longer run times on backup power sources

## Conventional Servers vs Lopoco

Equal Throughput

**Two Racks  
each 12.5 kW**

**One Rack  
4.4 kW**

Conventional	Item	Lopoco
Dell R720	<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 x 2U	<b># servers</b>	40 x 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>\$90,000 less</b>
Baseline	<b>Operating Cost</b>	<b>\$129,000 less</b>

**Conventional**

**16  
servers**

**20  
servers**

**lopoco**  
low power systems

**40  
servers**

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