

TCO of conventional v. lopoco LPS-2224 Storage Server	LPS-2224	Supermicro SC836E2		
Drive specs	2.5in, 1TB, <1w @ idle, 56IOPS	3.5in, "green" 6.3w @ idle, 80IOPS		
Chassis specs				
height	2U	3U		
number of drives	24	16		
capacity TB	24	32		
Purchase	\$10,254.30	\$4,920.00		
Avg. Power Consumption Watts (est)	45.6	347.6		
TDP Power Consumption Watts (est)	133	512		
Electricity (\$0.15/KWh) per year	\$59.92	\$4,567.46		
HVAC per year	\$59.92	\$4,567.46		
TCO 4 years	\$10,733.65	\$41,459.71		
per TB	\$447.24	\$1,295.62		
40U Cabinet with 30A/110v power				
Chassis per 40U 3300w rack*	20	6	24.8	6.4
TB per 40U 3300w rack	480	192		
Drives per 40U rack	480	96		
IOPS per 40U rack (est.)	26,880	7,680		
*LPS-2224 has power left over for switches, etc.				