

FlashServer™ 2Ux4 Four Node 2U Server

**Four Independent Intel Servers in 2U Enclosure - Saves \$\$\$, Space & Power
Up to 128 Cores and 24 HDDs/SSDs Total**

High Density Servers and Storage

FlashServer 2Ux4 provides a simple way to provide multiple servers and local storage in a single enclosure. The benefits are obvious: One highly engineered, high quality, built-to-last server replaces four separate 1U or 2U servers - at lower cost.

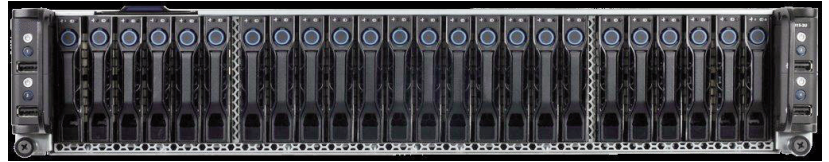
This FlashServer high density solution cuts rack space and power by 50% to 75%. Power savings are equally impressive with up to 75% savings - or more using power profiles. These powerful Intel servers work just like any other Intel server in your Windows, Linux and VMware environments.

FlashServer 2Ux4 supports 8 & 16 Gb Fibre Channel, 6 & 12 Gb SAS, 1 GbE, 10 GbE, 40 GbE and 56 Gb Infiniband connectivity. A single unit provides four separate Intel servers each managed by GUIs that are IPMI v2.0 compliant.

Each of the four servers provides two Intel Xeon E5-2600 v3 family processors per server node. Each node supports six 2.5" disks to 2 TB each. Thus each node supports 12 TB and a total of 48 TB of internal storage in a single 2U enclosure.

Three PCIe 3.0 slots per node enable storage and networking expansion. Optional FlashDisk® and FlashNAS™ storage support hundreds of terabytes.

It is easy to see the immediate benefits of installing one unit rather than four with lower upfront costs plus cutting power and cooling immediately.



FlashServer 2Ux4 provides four servers with six dedicated drive bays each in a 2U enclosure. It replaces four 1U servers in a single box. Saves \$\$\$, space and power.



Each of the four servers are field replaceable without interrupting the other three servers running. The power supplies, fans and 24 disk drives are hot swappable.

Key Benefits

- Delivers four standard and independent Intel servers in just 2U!
- Powerful Intel E5-2600 v3 CPUs
- Saves rack space and power
- Perfect for virtualized environments

Cost Savings

- Cuts purchase costs
- Cuts power and cooling costs
- Cuts installation effort
- Cuts management time
- Cuts support costs

Replaceable Components



All key components are field replaceable including rear-loading servers and power supplies, front-loading disk drives and top-loading fans.

FlashDisk External Storage Expansion



FlashDisk RAID Disk Arrays offer easy SAN expansion and supports HA server clusters. FlashNAS unified storage supports backup and disaster recovery.

FlashServer 2Ux4 Server Summary Specifications

Removable Server Nodes	2 or 4 server nodes each with 2 processors x 4 to 16 cores; Up to 128 cores and 256 threads combined
Intel Processors Per Node	2 Intel E5-2600 v3; Intel C610 Chipset; Up to 3.5 GHz Base Rate and 3.7 GHz with Turbo Boost
Memory (DDR4) Per Node	Up to 512 GB (16 x 32 GB RDIMM) @ 2133 MHz per node; Up to 2 TB total
PCIe Expansion Slots Per Node	(1) PCIe x16 G3 low profile; (2) PCIe x8 mezzanine card; 12 PCIe slots total
Management Port Per Node	Dedicated 10/100 BASE-T RJ45 Management Port, IPMI v2.0 with KVM over IP support
I/O Ports Per Node	(1) USB 2.0; (2) USB 3.0; (1) VGA; (1) RS-232 Serial Port; (1) 10/100 BASE-T RJ45
LAN & Storage Mezzanine Cards	8 Gb & 16 Gb F/C; 6 Gb & 12 Gb SAS 3.0; 1 GbE, 10 GbE & 40 GbE QSFP+; 56 Gb Infiniband
Removable 2.5" Disks	6 HDD/SSD Per Node; 24 Total Per 2U Server
Windows Support	Windows Server 2008 R2 X86_64, Windows Server 2012 & 2012 R2
Linux Support	Red Hat RHEL 6.5 & 7.0 for Intel Servers; Novell SUSE Enterprise Server 10 & 11
Virtualization Support	VMware ESXi 5.5; Hyper-V for WSS 2012 & 2012 R2; SUSE Enterprise Linux with Xen
Power Supply	(2) 1200W Platinum PSU, 100-240VAC 50/60 Hz or (2) 1600W Platinum PSU, 200-240 VAC 50/60 Hz
Dimensions	17.48" (444 mm) Wide x 3.44" (87.5 mm) High x 31.1" (790 mm) Deep
External Storage	FlashDisk® RAID & FlashNAS™ ZFS Storage with Snapshots, Mirroring, Replication, Thin Provisioning & more
Standard Warranty	Three year factory warranty and toll free hotline during business hours
Additional Service Options	On-site install; 24x7 hotline; On-site service, spares; Advance parts replacement; Custom programs for classified sites.

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