Cornerstone Systems, Inc.

zFrame® model *z30* Server

Looking for an affordable way to run your company?

It's all here... In black and white.

CORNERSTONE SYSTEMS, INC.

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The zFrame® model z30 is the fastest uniprocessor model in the zFrame line-up. It provides approximately 30 MIPS[1] of processing capacity in a single-processor image.

Highlights

- Full S/390 capability, including ESA/390 features, supporting VSE/ESA, z/VSE, VM/ESA, z/VM, OS/390, and z/OS
- Eligible for 2/3 GOLC (H30) based licensing of IBM® zSeries software
- Dual-redundant hot pluggable power supplies and cooling fans ensure reliability and high availability
- Standard 330 GB of disk space for S/390, up to 1.4 TB internally and virtually unlimited capacity in external enclosures
- RAID-5 protection of all disk storage, using IBM high performance, hot pluggable disks and RAID controllers with non volatile cache
- Very high performance 10,000 RPM, 320 MB/Sec. disk drives standard, for your response time critical applications (15,000 RPM drives available)
- IBM eServer® xSeries® model specifically designed for high availability applications, featuring 800 MHz Front Side Bus, six PCI slots, Error Correcting (ChipKill™) memory, and multiple redundant components
- Standard 3.4 GB of S/390 memory, expandable to 7 GB
- Ability to define and run multiple S/390 "images", providing a function similar to S/390 Logical Partitions
- Parallel ("Bus and Tag") and ESCON® channels available for connecting to traditional S/390 I/O devices
- Integrated Ethernet 10/100/1000 adapter and software for easy integration into your LAN environment. Additional Ethernet or Token Ring adapters can be added for increased flexibility.
- Standard SDLT (320 GB) or LTO (400 GB) tape and available SCSI adapters for connection of 3480/90 compatible tape drives
- Uses FLEX-*ES*® from Fundamental Software Inc. (FSI), premier provider of S/390 emulation software with 3 years of FSI FLEX-*ES* support included
- Complete configuration, staging, and testing of every system by Cornerstone prior to delivery, and on-site installation and customization

zFrame Delivers

Cornerstone is committed to supporting the S/390 customer with outstanding technical support and services. Cornerstone provides on-site support for installation, migration, and training of every zFrame model z30.

IBM Premier Business Partner

As an IBM Premier Business Partner, we are recognized for the finest customer service and level of performance in the industry. Count on us to deliver your zFrame model z30 like no one else can! Call us at **1-800-510-3004** or visit our web site **www.csihome.com** today.

zFrame model z30 Specifications

z30 Features	Standard	Optional
Processors	Two Pentium® IV processors provide equivalent of approx 30 S/390 MIPS	The model z30 can be easily upgraded to the 60 MIPS z60 system
S/390 Storage	3.4 GB Central and Expanded Storage for S/390 systems and disk caching	Up to 7 GB Central and Expanded Storage and disk caching (with some restrictions)
I/O Channels	Dual Ultra-SCSI controllers, dual channel RAID adapter with 256 MB NV cache	S/390 Parallel Channels (one or three channels per adapter) and ESCON® channels
Disk Storage	330 GB usable for S/390 environment emulating 3380, 3390 or FBA disks	Up to 1.4 TB internally, external expansion to more than 3 TB
Communications	Ethernet 10/100/1000 integrated adapter	Additional Ethernet or Token Ring adapters, 6 port ICA emulator for BSC or SDLC
Tapes	SDLT (160/320) LTO (200/400) available	SCSI attached 3480/90 or SDLT S/390 channel attached 3480/90
Power/Cooling	Dual redundant hot plug power supplies (110v-240v) and dual redundant hot plug fans	UPS (1400 VA or larger recommended)
Software	SCO UnixWare® 7.1.4 or SuSE® Linux® 9.3 and FSI FLEX-*ES* ®	S/390 Operating Systems (VSE/ESA, VM/ESA, z/VM, and OS/390) and compatible products
Cornerstone Services	Hardware and software configuration, initial on-site setup and loading of S/390 environment	Additional customization, full system migration and installation of additional S/390 software

Environmentals and Physical Facilities

Power
Standard 110-240V (Auto switching)

Temperature/Cooling
Normal Office Environment

Size
8.5″ width, 17.3″ height, 27.6″ d. (5U) + space for Display and Keyboard/Mouse
Rack mountable configurations available

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[1] **MIPS**

Frequently used term meaning "Millions of Instructions Per Second". Commonly used to measure the processing capacity of S/390 type computer systems. MIPS is a very simplistic measurement however, and may not be a good indicator of overall performance. Customers should consider all aspects of system performance, including memory size and I/O capabilities, when evaluating a computer system.