

DEPARTMENT: Technical Services

BY: Rick Peresan
PHONE: 966 8029

RECOMMENDED ACTION AND JUSTIFICATION:

Authorize the Technical Services Director to purchase a central file server from Dell, representing best value, not lowest price, per Director's recommendation.

BACKGROUND AND HISTORY OF BOARD ACTIONS:

The Board routinely approves purchasing recommendations.

ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:

Purchase lowest price product that may not meet technical, performance and longevity requirements.

Financial Impact? (x) Yes () No	Current FY Cost: \$	Annual Recurring Cost: \$
Budgeted In Current FY? (x) Yes () No () Partially Funded		
Amount in Budget: \$10,000		List Attachments, number pages consecutively
Additional Funding Needed: \$0		1. Cover Letter
Source:		2. HP Quote
Internal Transfer _____		3. IBM Quote
Unanticipated Revenue _____ 4/5's vote		4. Dell Quote
Transfer Between Funds _____ 4/5's vote		
Contingency _____ 4/5's vote		
() General () Other		

CLERK'S USE ONLY:

Res. No.: 07-461 Ord. No. _____
 Vote - Ayes: 4 Noes: _____
 Absent: *Alam*
mw Approved
 () Minute Order Attached () No Action Necessary

The foregoing instrument is a correct copy of the original on file in this office.

Date: _____
 Attest: MARGIE WILLIAMS, Clerk of the Board
 County of Mariposa, State of California
 By: _____
 Deputy

COUNTY ADMINISTRATIVE OFFICER:

Requested Action Recommended
 No Opinion
 Comments:

CAO: *RJP*



MARIPOSA COUNTY TECHNICAL SERVICES MEMORANDUM

To: Mariposa County Board of Supervisors
From: Richard Peresan, Technical Services Director
Date: September 21, 2007
RE: Central File Server Purchase Approval

To purchase a new central file server I reviewed products from three manufacturers; Dell, IBM, and Hewlett Packard. Please understand in the market for high end IT equipment, it is difficult to make or find "apples to apples" comparisons.

The IBM product I reviewed is very robust but very expensive. The price of \$13,366 does not include hard disk storage, which will add significant cost. I eliminated the IBM from consideration, as it is too expensive and overkill for our need.

The Hewlett Packard product, while the least cost at \$6,150, is not as robust as the Dell model.

We use Dell products in most server applications because they have proven reliable and I feel they provide the best value for the Mariposa County.

Although it is not the lowest price (\$7,653), once again the equipment comparison leads Technical Services to conclude the Dell product is best for our use.

I recommend purchase of the Dell server and since it is not the least cost alternative, I ask the Board to approve purchase.



ONLINE PRICE QUOTATION

Quote Number: 1411951

Quote Name: Mariposa County

Today's Date : 9/14/2007 2:30:38 PM

Quote Created Date : 9/14/2007 2:30:27 PM

Created By: smcfadden@govconnection.com

Contract: CA - STATE OF CALIFORNIA (WSCAI) (A63309-CA)

Product availability and product discontinuation are subject to change without notice. The prices in this quotation are valid for 30 days from quote date above. Please include the quote number and contract from this quote on the corresponding purchase order.

Use the File - Print option to print this form for your future reference.

Items/description	Part no	Unit price	Qty	Ext price
-Configurable- HP ProLiant DL380 G5 - Rack Server	Base	\$6,150.01	1	\$6,150.01
HP ProLiant DL380 G5 Server	391835-B21			
Quad-Core Intel® Xeon® X5365 (3.00GHz, 1333MHz FSB, 2x4MB L2 cache) Processor	445560-L21			
HP 4GB Fully Buffered DIMM PC2-5300 4X1GB Memory	397411-4GB			
HP slimline DVD+RW 8X drive	383975-B21			
HP Smart Array P400/512 PCIe Controller	411064-B21			
RAID 5 drive set with online spare (requires matching 4 hard drives)	339780-B21			
HP 146GB Hot Plug 2.5 SAS 10,000 rpm Hard Drive	431958-B21			
HP 146GB Hot Plug 2.5 SAS 10,000 rpm Hard Drive	431958-B21			
HP 146GB Hot Plug 2.5 SAS 10,000 rpm Hard Drive	431958-B21			
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HP 146GB Hot Plug 2.5 SAS 10,000 rpm Hard Drive	431958-B21			
Power supply				
HP 1000-W Hot-Plug Power Supply				
HP 1000-W Redundant Hot-Plug Power Supply (NEMA)	399771-001			
Redundant fan options				
HP Redundant Hot-Plug Fans				
Network card				
Embedded NC373i Multifunction Gigabit Network Adapter				
Server management				
Integrated Lights Out 2 (iLO 2) Standard Management				
Warranty				
HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day				

(2)

Subtotal: \$6,150.01

Estimated Lease Cost: \$199.20

The terms and conditions of the CA - STATE OF CALIFORNIA (WSCALE) will apply to any order placed as a result of this inquiry, no other terms or conditions shall apply.

To access the HP Public Sector Online Store where this quote was created, go to:
<http://gem.compaq.com/gemstore/entry.asp?SiteID=3000>

* The estimated lease cost is the monthly payment amount for a lease commencing on or before 10/14/2007 with a term of 36 months and a fair market value purchase option at the end of the lease term. This and other leasing and financing options are available through Hewlett-Packard Financial Service Company (HPFSC) or one of its affiliates to qualified education and state and local customers in the U.S. and subject to credit approval and execution of standard HPFSC documentation. Fees and other restrictions may apply. This is not a commitment to lease. Rates and payments are subject to change at any time without notice. Leasing and financing options for Federal governmental agencies (subject to a \$50,000 minimum) are available from Hewlett-Packard Company. For more information, call Hewlett-Packard Financial Services Company at 1-888-277-5942 and talk to a financial services representative who specializes in supporting government and education entities.

* HP is not liable for pricing errors. If you place an order for a product that was incorrectly priced, we will cancel your order and credit you for any charges. In the event that we inadvertently ship an order based on a pricing error, we will issue a revised invoice to you for the correct price and contact you to obtain your authorization for the additional charge, or assist you with return of the product. If the pricing error results in an overcharge to you, HP will credit your account for the amount overcharged.

* Please contact HP Public Sector Sales with any questions or for additional information:

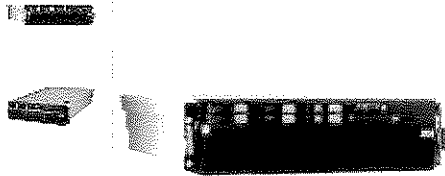
K12 Education:	800-888-3224	Higher Education:	877-480-4433
State Local Govt:	888-202-4682	Federal Govt:	800-727-5472
Fax:	800-825-2329	Returns:	800-888-3224

* For detailed warranty information, please go to www.hp.com/go/specificwarrantyinfo . Sales taxes added where applicable. Freight is FOB Destination.

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800.581.4239



IBM System x3950 8878 - Dual-Core Xeon 7110N 2.5 GHz

Product ID
 CDW Part: 1070729
 Mfg. Part: 88781RU
 UNSPSC: 43211501

Product Pricing

Price: **\$13,366.49**
 Lease from \$404.87/month

Qty:

[Add to cart >](#)

View Larger

Availability:
 Orders placed today will ship within 1-3 days .

- [Add to Organization Solutions >](#)
- [Send To An Associate >](#)
- [Find Similar Products >](#)

Overview Specs Accessories

Technical Specs

Audio Input	
Type	None

Audio Output	
Type	None

Audio Output Details	
Speaker Type	None

Bay Provided	
Form Factor	5.25" x 1/6H (Slim Line)
Free Qty	0
Total Qty	1
Type	Front accessible
Form Factor	2.5" x 1/3H
Free Qty	6
Total Qty	6
Type	Hot-swap

Cabinet	
Chassis Built-in Devices	LED panel

Cabinet (Chassis)	
Form Factor	Rack-mountable
Front Accessible Bays Qty	1
Hot-Swap Bay Form Factor	2.5"
Hot-Swap Bays Qty	6
Hot-Swap Drive Interface	SAS

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Manufacturer Form Factor	Rack-mountable
Server Storage Bays	Hot-swap

Cache Memory	
Installed Size	8 MB
Per Processor Size	4 MB
Type	L3 cache

Environmental Parameters	
Humidity Range Operating	8 - 80%
Max Operating Temperature	95 °F
Min Operating Temperature	50 °F

Header	
Compatibility	PC
Country Kits	United States
Localization	English
Manufacturer	IBM
Model	8878
Packaged Quantity	1
Product Line	IBM System x3950

Interface Provided	
Connector Type	4 pin USB Type A
Location (AA)	1 in front
Qty	3
Type	Hi-Speed USB
Connector Type	6 pin mini-DIN (PS/2 style)
Interface	Generic
Qty	1
Type	Keyboard, Mouse
Connector Type	15 pin HD D-Sub (HD-15)
Interface	VGA
Type	Display / video
Connector Type	RJ-45
Interface	Ethernet 10Base-T/100Base-TX/1000Base-T
Qty	2
Type	Network
Connector Type	9 pin D-Sub (DB-9)
Interface	RS-232
Type	Serial
Interface	Ethernet 10/100
Type	Management
Interface	RS-485

Mainboard	
Chipset Type	IBM XA-64e
Data Bus Speed	667 MHz

Miscellaneous	
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Color	Stealth black
Compliant Standards	CB, CE, CISPR 22 Class A, EN 60950, EN50082-1, EN55022 Class A, FCC Class A certified, FCC Part 15, IEC 60950-1, ISO 9241-3, ISO 9241-8, TUV GS
Features	Administrator password, Automatic server restart (ASR), Fan speed monitoring, Power-on password, Predictive failure analysis (PFA), Selectable boot, Thermal monitoring, Unattended boot, Voltage monitoring
Height (Rack Units)	3

Modem

Type	None
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Networking

Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Ethernet Controller(s)	Broadcom BCM5704
Ethernet Ports	2 x Gigabit Ethernet
Features (AA)	Alert on LAN 2, Wake on LAN (WoL)
Form Factor	Integrated
Remote Management Controller	Remote Supervisor Adapter II Slimline
Remote Management Protocol	HTTP, SNMP
Type	Network adapter

Optical Storage (2nd)

Type	None
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Power Device

Frequency Required	50/60 Hz
Installed Qty	2
Max Supported Qty	2
Nominal Voltage	AC 120/230 V
Power Provided	1300 Watt
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Type	Power supply - hot-plug

Printer

Type	None
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Processor

64-bit Computing	Yes
Cache Level 2 Size (for systems with L3 only)	2 x 1 MB
Clock Speed	2.5 GHz
Installed Qty	2
Manufacturer	Intel
Max Supported Qty	4
Multi-Core Technology	Dual-Core
Processor Main Features	Hyper-Threading Technology, Intel Extended Memory 64

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	Technology, Intel Virtualization Technology
Processor Number	7110N
Server Scalability	4-way
Type	Dual-Core Xeon
Upgradability	Upgradable

RAM	
Configuration Features	2 x 1 GB
Data Integrity Check	ECC
Features	Hot-swappable, Memory Mirroring, Memory ProteXion, Registered
Form Factor	DIMM 240-pin
Installed Size	2 GB
Max Supported Size	64 GB
Memory Specification Compliance	PC2-3200
Memory Speed	400 MHz
Technology	DDR II SDRAM
Upgrade Rule	2 modules at a time

Service	
Support Details Full Contract Period	3 years
Support Details Location	On-site
Support Details Service Included	Parts and labor
Support Details Type	Limited warranty

Service & Support Details	
Response Time	Next business day

Slot Provided	
Form Factor	Socket 604
Free Qty	2
Total Qty	4
Type	Processor
Form Factor	Full-length, full-height
Free Qty	6
Total Qty	6
Type	PCI-X hot-plug 266 MHz
Form Factor	DIMM 240-pin
Total Qty	8
Type	Memory, Memory board

Software	
Type	IBM Director, IBM ServerGuide

Storage Controller	
Channel Qty	2
Controller Interface Type	Serial Attached SCSI
Form Factor	Integrated
Installed Qty	1

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Interface Type	PCI-X / 266 MHz
Storage Controller Name	Adaptec AIC-9410
Type	Serial Attached SCSI

Storage Controller (2nd)	
Channel Qty	1
Controller Interface Type	ATA-33
Form Factor	Integrated
Installed Qty	1
Type	IDE

Storage Hard Drive	
Type	None.

Storage Hard Drive (2nd)	
Type	None

Storage Removable	
Type	None

System	
Designation	Corporate business
Hard Drive(-s) Total Capacity	0 GB
OS Certified	Microsoft Windows Server 2003 Enterprise Edition SP1, Microsoft Windows Server 2003 Enterprise x64 Edition, Microsoft Windows Server 2003 Standard Edition SP1, Microsoft Windows Server 2003 Standard x64 Edition, SuSE Linux Enterprise Server 9 for x86/AMD64/Intel EM64T
Type	Server

Video Output	
Colors Max Resolution (external)	32-bit color
Form Factor	Integrated
Graphics Processor Vendor	ATI Radeon 7000M
Interface Type	PCI
Max Resolution (external)	1024 x 768

Dimensions & Weight	
Depth	28.1 in
Height	5 in
Weight	84.9 lbs
Width	17.3 in

Display (Projector)	
Type	None.

Optical Storage	
Interface Type	IDE
Type	CD-RW / DVD-ROM combo

Service & Support	
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On-Site Warranty Comment	On-site
Type	3 years warranty
Video Memory	
Installed Size	16 MB
Technology	SDRAM

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DELL**QUOTATION**

QUOTE #: 386022074

Customer #: 31216921

Contract #: N39913654

Customer Agreement #: NASPOWSCA # A63307

Quote Date: 9/12/07

Date: 9/12/07 10:41:38 AM

Customer Name: MARIPOSA COUNTY

TOTAL QUOTE AMOUNT:	\$7,652.55		
Product Subtotal:	\$7,102.15		
Tax:	\$550.40		
Shipping & Handling:	\$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: \$6,972.16	GROUP TOTAL: \$6,972.16
Base Unit:	Quad Core Xeon Processor X53552x4MB Cache, 2.66GHz, 1333MHz FSB, PE2950 (222-7342)		
Processor:	Quad Core Xeon 2nd Processor X5355, 2x4MB Cache, 2.66GHz 1333MHz FSB, PE2950 (311-6968)		
Memory:	4GB 667MHz (4X1GB), Dual Ranked Fully Buffered DIMMs (311-6154)		
Keyboard:	Keyboard, USB, Black (310-8170)		
Video Card:	Broadcom TCP/IP Offload Engine Not Enabled (430-1765)		
Video Memory:	Riser with 3 PCIe Slots for PowerEdge 2950 (320-4607)		
Hard Drive:	73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)		
Hard Drive Controller:	PERC 5/i, x6 Backplane Integrated Controller Card (341-3066)		
Floppy Disk Drive:	No Floppy Drive for x6 Backplane (341-3685)		
Operating System:	No Operating System (420-6320)		
Mouse:	Optical Two-Button Mouse USB, Black (310-8172)		
NIC:	Embedded Broadcom NetXtreme i5708 Gigabit Ethernet NIC (430-1764)		
CD-ROM or DVD-ROM Drive:	24X IDE CD-RW/DVD ROM Drive for PowerEdge 2950 (313-3934)		
Sound Card:	Bezel for PE 2950 (313-3920)		
Speakers:	1x6 Backplane for 3.5-inch Hard Drives (311-5747)		
Documentation Diskette:	Electronic Documentation and OpenManage CD Kit, PE2950 (310-7415)		
Additional Storage Products:	73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)		
Feature	Integrated SAS/SATA RAID 0/RAID 0 (341-3062)		
Feature	Rack Chassis w/Sliding Rapid/Versa Rails and Cable Management Arm, Universal (310-7412)		
Service:	Dell Hardware Warranty Plus Onsite Service Initial YR (984-1399)		
Service:	SILVER Enterprise Support: 4 Hour 7x24 Onsite Service Post Problem Diagnosis, Initial YR (970-4160)		
Service:	Dell Hardware Warranty, Extended YR (984-1417)		
Service:	SILVER Enterprise Support: 4 Hour 7x24 Onsite Service Post Problem Diagnosis, 2 YR Ext (960-8292)		
Service:	SILVER Enterprise Support: 7x24 Hardware/Software Tech Phone Support, Enterprise Command Center, 3Yr (960-8562)		
Installation:	On-Site Installation Declined (900-9997)		
Misc:	Redundant Power Supply with Y-Cord for PowerEdge 2950 (310-7421)		
Misc:	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4424)		

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Misc:	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4424)
Misc:	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4424)
Misc:	300GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-4424)
	CFI,Information, Hotspare,Hard Drive,Factory Install (361-8968)
	CFI,Information,Hard Drive,Install Increasing Order,Factory Install (361-1722)
	CFI Titan Code for CFI FIDA orBypass SI (364-1846)
	CFI Bypass EIDO (364-7502)
	CFI Routing SKU (365-0257)
	CFI,Rollup,Integration, OR-Raid,Without OS,Serv (366-4303)
	CFI,information,Order Ready, 9104C1,Factory Install (372-1457)
	CFI,information Only, RAID5,3Hard Drive,Factory Install (361-4536)
	CFI,Multi,information, RAID1, 2HD,Factory Install (361-6553)

SOFTWARE & ACCESSORIES			
Product	Quantity	Unit Price	Total
2POST MOUNTING KIT FOR PE2950 (A0707667)	1	\$129.99	\$129.99
Number of S & A Items: 1		S&A Total Amount: \$129.99	

SALES REP:	RYAN SPARKS	PHONE:	1800-901-3355
Email Address:	Ryan_Sparks@Dell.com	Phone Ext:	7282726

For your convenience, your sales representative, quote number and customer number have been included to provide you with faster service when you are ready to place your order. You may also place your order online at www.dell.com/quote

Unless you have a separate agreement with Dell, the terms and conditions found at <http://ftpbox.us.dell.com/sig/resellers/resellertcs.htm> shall govern the sale and resale of the Products and Services referenced in this quotation.

Prices and tax rates are valid in the U.S. only and are subject to change.

****Sales/use tax is a destination charge, i.e. based on the "ship to" address on your purchase order. Please indicate your taxability status on your PO. If exempt, please fax exemption certificate to Dell Tax Department at 512-283-9276, referencing your customer number. If you have any questions regarding tax please call 800-433-9019 or email Tax_Department@dell.com. ****

All product and pricing information is based on latest information available. Subject to change without notice or obligation.

LCD panels in Dell products contain mercury, please dispose properly. Please contact Dell Financial Services' Asset Recovery Services group for EPA compliant disposal options at US_Dell_ARS_Requests@dell.com. Minimum quantities may apply.

Shipments to California: For certain products, a State Environmental Fee Of Up to \$10 per item may be applied to your invoice as early as Jan 1, 2005. Prices in your cart do not reflect this fee. More Info: or refer to URL www.dell.com/environmentalfee

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