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4th Quarter 2009 – ComSource Newsletter

IBM Z Series Mainframe – Throughout all of 2009 ComSource has been very active with the sale of both IBM Z9 Mainframe Computers as well as Coupling Facilities. We believe that we have had...and continue to have ...“the best prices in the country.”If you are an end user with a Z890, Z900 or Z990 it really makes sense to look at the software savings you would experience and benefit from with a replacement Z9 Processor. The great thing is if you need to have a ZIP engine, or 2 or 3 IFL’s or extra memory we can architect the Z9 to suit your needs. Our Z890 and Z9 Coupling facility pricing is exceptional and you really need to check us out! Finally, if you don’t have the capital (cash) on hand to “buy” a replacement Z9 processor have ComSource structure a 2, 3 or 4 year Lease for you with an investment grade lease rate. Call us!

IBM Tape Components – Even with a poor economy ComSource has remained very busy with the sale and/or lease of all makes and models of IBM Tape equipment. This would include:

- IBM 3494 Libraries — All components
- IBM 3584 Libraries —All components
- IBM LT03 & LT04 Drives -- All components
- IBM 3592-J1A --- Jaguar “1” Drives
- IBM TS 1120-E05 Jaguar “2” Drives
- IBM TS 1130-E06 --- Jaguar “3” Drives
- IBM 3494-B10 & B20 VTS Solutions
- IBM TS7740 & 7720 Virtualization Engines

We are able to coordinate all aspects of design, price, delivery and installation of any of the above solutions. If you need or want the above IBM Tape components you really have to reach out to ComSource to get the best tape “expertise” at the best pricing in the country.

SEPATON Open Systems Virtual Tape (VTL) - SEPATON recently received the Frost & Sullivan Award for innovation in deduplication technology. The full story can be found at the following link http://www.sepaton.com/news/news_item.php?news_id=134. Highlighted below is a quote from independent Frost & Sullivan Analyst Sam Achyuthanandan:

"When compared to other approaches, SEPATON’s DeltaStor deduplication fundamental design overshadows the capabilities of existing technologies by providing more efficient deduplication and enterprise scalability of both performance and capacity." "Its unique approach to deduplication enables it to identify duplicate data at the byte-level for optimal capacity reduction. Unlike other deduplication solutions, DeltaStor processing can be load balanced across multiple processing nodes and does not slow backup or restore performance. **DeltaStor is also unique in that it maintains an intact copy of the most recent backup for instantaneous restores without the need for reassembly.**"

What is important to note here is first that this award was not one you could apply for by application per se. SEPATON was chosen based on its unique architecture and innovation of its Content Aware capability. In particular it is called out that SEPATON’s deduplication does not compromise the fast performance of its restore when using its deduplication feature because of how it maintains an intact copy of the most recent backup for

rapid restores. Other deduplication technology requires a considerable amount of time to find the original data by reading pointers because the most recent data is not stored in its original form.

➤ **Please contact ComSource today for more information on SEPATON.**

Bus-Tech/Compellent - Bus-Tech's Mainframe Backup and Recovery Data Library (MDL) and the Compellent Storage Center storage area network solution "provides customers with assurance of smooth integration," stated Bus-Tech President, Al Brandt. "By partnering with Compellent, Bus-Tech is once again enabling mainframe customers access to the benefits of leading edge technology from the open systems storage market."

"By teaming with Bus-Tech, we're enabling customers to extend their investments in the Compellent SAN to their mainframe backup environments," said Bruce Kornfeld, vice president of marketing and product management at Compellent. "The highly scalable, modular design of the combined solution can meet the Backup and Recovery needs of any size mainframe installation."

As part of the certification process for the Compellent SAN, the MDL was tested with the Compellent Storage Center in dual FICON and ESCON configurations and attached via Fibre Channel to the Storage Center. The combined solution underwent stress and functionality tests to help ensure users can perform normal tape backup processing without any changes to their existing applications or JCL. The MDL is available in combination with the Compellent Storage Center to provide a cost effective solution for using disk for mainframe backup and enhanced batch processing.

This enterprise solution composed of MDL and Storage Center is a great way to improve data center efficiency and reduce operating costs. MDL offers simplicity and efficiency to our mainframe tape customers by eliminating costs, administration and risks associated with tape media. This is complemented by Storage Center, which brings affordable enterprise class SAN storage with leadership thin provisioning, automated tiered storage and thin replication features. This flexible solution offers outstanding value to both our small and large enterprise customers.

➤ **Contact your ComSource sales representative today to get more information on this solution.**

Bus-Tech/SEPATON Solution - Bus-Tech®, Inc., a leading supplier of VTL controllers for IBM and compatible mainframes, and SEPATON, Inc., the leader in enterprise-class disk-based data protection solutions, officially announced on October 12th at Storage Networking World Fall (SNW) 2009 a partnership to enable mainframe environments to implement disk-based backup and recovery seamlessly without changing their backup policies. The combined, certified solution features the SEPATON S2100®-ES2 virtual tape library (VTL) and Bus-Tech's Mainframe Data Library (MDL) model 100V for direct-to-VTL connectivity for ESCON and FICON mainframe users.

By combining SEPATON's VTL with Bus-Tech's direct-to-tape mainframe connectivity solutions, IBM Mainframe customers are now able to fully share in the benefits of SEPATON's advanced virtual tape system. These benefits include:

- Industry-leading backup and restore times
- Scalability to keep pace with data growth
- Simplified data management
- Unparalleled extensibility across the enterprise
- Customers in a mainframe environment can get these benefits while using their existing mainframe tape management software, without changes to backup processes.

➤ **Please contact ComSource today for more information.**

IBM pSeries - ComSource has a large inventory of IBM certified pre-owned P Series Servers and upgrades to include processors, memory, and disk drives. Some examples of p6 Servers that ComSource has in inventory today include:

Entry Level - IBM 8203-E4A, 4-way 4.2ghz Processors, 32GB Memory, 2 x 146GB Drives
ComSource Discounted Sale Price \$12,500

Midrange – IBM 8204-E8A
8-way 4.2ghz Processors with 64GB memory and 4 x 146GB Drives
ComSource Discounted Sale Price \$55,000

Enterprise – IBM 9117-MMA
8-way 4.4ghz Processors with 256GB Memory, 4 x 146GB Drives
Includes 3-year SWMA and 1-year IBM Warranty
PowerVM Enterprise & AIX Software
ComSource Discounted Sale Price \$265,000

Enterprise - 9119-FHA
32 way 5.0ghz Processors with 512GB Memory, 3 x IO Drawers and 4 x 300GB Drives
ComSource Discounted Sale Price \$715,000

IBM iSeries - Since most of our customers are running Power 5 and Power 5+ hardware, we have listed the most popular upgrades for these models. In addition to the Power 5 and Power 5+ disk/ memory listed below, ComSource has a large inventory of Power 5/ Power 5+ servers as well as Power 6 features and fully configured servers. We currently have Power 6 520's (E4A), 550's (E8A), and 570's (MMA) in stock. Many of our larger machines include multiple O/S licenses and all are eligible for IBM maintenance.

➤ **Disk Upgrades**

9406-4327 70.56GB 15K RPM DISK UNIT
IBM List: \$999 ComSource Sale Price: ONLY \$250
9406-4328 141.12GB 15K RPM DISK UNIT
IBM List: \$1,299 ComSource Sale Price: ONLY \$475
9406-4329 282.25GB 15K RPM DISK UNIT
IBM List: \$2,799 ComSource Sale Price: ONLY \$895

➤ **Memory Upgrades**

Power 5 i520 and i550

4445 4gb- IBM List: \$3,550 ComSource Sale Price: only \$420
4449 8gb- IBM List: \$12,375 ComSource Sale Price: only \$1,480
4450 16gb- IBM List: \$45,000 ComSource Sale Price: only \$8,400

Power 5 i570

4454 8gb- IBM List: \$14,746 ComSource Sale Price: only \$1,150
4491 16gb- IBM List: \$51,316 ComSource Sale Price: only \$9,450
4492 32gb- IBM List: \$103,000 ComSource Sale Price: only \$11,900

Power 5+ i520 and i550

4475 4gb- IBM List: \$3,059 ComSource Sale Price: only \$670
4477 8gb- IBM List: \$9,900 ComSource Sale Price: only \$1,480

Power 5+ i570

4497 16gb- IBM List: \$33,341 ComSource Sale Price: only \$5,950
4498 32gb- IBM List: \$108,134 ComSource Sale Price: only \$11,400

Cutting Cost with Cisco Hardware & Maintenance Acquisitions - Here is just one example of a recently returned off lease Cisco package that ComSource will offer to our valued customers at Wholesale price levels. This entire configuration is available at a very aggressive price of only \$40,000 dollars. If you are

interested in individual pieces please inquire. This is just one package Comsource has in our extensive Cisco lease portfolio. We remain committed to helping each of you reduce your Cisco spend.

<u>Qty</u>	<u>Mfr</u>	<u>Part Number</u>	<u>Description</u>
1	Cisco	WS-C6509-E	Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS, no Fan Tray
1		WS-C6509-E-FAN	Catalyst 6509-E Chassis Fan Tray
2		WS-CAC-3000W	Cat6500 3000W AC Power Supply
2		CAB-7513AC	AC POWER CORD NORTH AMERICA (110V)
1		S733ESK9M-12218SXF	CAT6000-SUP720 IOS ENTERPRISE SERVICES SSH (MODULAR)
1		WS-SUP720-3B	Catalyst 6500 / 7600 Supervisor 720 Fabric MSFC3 PFC3B
1		CF-ADAPTER-SP	SP adapter with compact flash for SUP720
1		MEM-C6K-CPTFL512M	Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB
1		CVDM-C6500-1.1-K9	CiscoView Device Mgr 1.1 for Catalyst 6500 Series 3DES
1		WS-SUP720-3B	Catalyst 6500 / 7600 Supervisor 720 Fabric MSFC3 PFC3B
1		CF-ADAPTER-SP	SP adapter with compact flash for SUP720
1		MEM-C6K-CPTFL512M	Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB
1		CVDM-C6500-1.1-K9	CiscoView Device Mgr 1.1 for Catalyst 6500 Series 3DES
1		WS-X6748-GE-TX	Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45
1		WS-X6724-SFP	Catalyst 6500 24-port GigE Mod: fabric-enabled (Req. SFPs)
5		GLC-SX-MM	GE SFP, LC connector SX transceiver
1		MEM-C6K-CPTFL512M	Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB
1		BF-S720-64MB-RP	Bootflash for SUP720-64MB-RP
1		MEM-S2-512MB	Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720)
1		MEM-MSFC2-512MB	Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3
1		MEM-C6K-CPTFL512M	Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB
1		BF-S720-64MB-RP	Bootflash for SUP720-64MB-RP
1		MEM-S2-512MB	Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720)
1		MEM-MSFC2-512MB	Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3
1		MEM-XCEF720-256M	Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A)
1		WS-F6700-CFC	Catalyst 6500 Central Fwd Card for WS-X67xx modules
1		MEM-XCEF720-256M	Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A)
1		WS-F6700-CFC	Catalyst 6500 Central Fwd Card for WS-X67xx modules

Along with ComSources excellent hardware prices, we offer alternatives to very expensive Cisco Smartnet contracts. ComSource can review your Smartnet contracts and integrate or own Third party maintenance to dramatically reduce your maintenance costs.

➤ **Please contact your ComSource representative to explore these and other cost cutting initiatives.**

HP - ComSource has a substantial inventory of “Pre-owned” HP UNIX servers and options at GREAT PRICE POINTS.

A few examples are:

➤ **Servers**

- RX3600 Server/2 way
- RX3600 Server/4 way
- RX6600 Server/4 way
- RX7640 can be configured to your specifications
- RX8640 can be configured to your specifications

➤ **Cpu Options**

- AD388A Processor 1.6GHz/24MB DC 9150N
- AD389A Processor 1.6GHz/18MB DC 9140N Processor
- AD365A Processor 1.6Ghz/18mb dual core CPU
- AD368A Processor 1 GHz - L2 64 MB PA-8900

➤ **Memory**

- AB455A HP 8GB (2X4GB) Kit PC2-4200 DDR2-533MHz Dual-Rank Registered ECC
- AB456A HP 16GB (2x8GB) Kit PC2-4200 DDR2-533MHz Registered ECC
- AB322A HP 16GB Kit (4x4GB) PC133 SDRAM-133MHz ECC 168-Pin

These are just a few examples, please call us with your requirements

3rd Party Maintenance - One of the biggest expenses faced by companies today is the ongoing maintenance expense of their Information Technology infrastructure. ComSource can help you trim these expenses by utilizing very qualified 3rd Party Maintenance providers. We can offer our customers Nationwide service, whether it be onsite 24x7x4 or 8x5x Next Business Day. This service covers the most all of the equipment from leading manufacturers including IBM, HP, SUN, DELL, EMC, and Cisco. Allow us the opportunity to take a look at your infrastructure and propose an alternative plan to your support needs. Like all of our end users that have made the switch, you will be surprised by not only the annual savings but also with the improved support levels.

- **Please contact ComSource today for more information about our 3rd Party Maintenance offerings.**

We would like to take this opportunity to extend our sincere wishes for happiness and good health during this holiday season.





ComSource Equipment Holiday Specials



www.comsourceny.com – Off Lease Specials

Apple Specials

Great for the creative type – Apples are famous for their video, picture and audio editing. For regular users Apple products are some of the most stable and reliable electronics you can purchase today! See what they are all about. Awesome software included.

CTO Quad 2.5GHz PowerPC G5 with (2 Dual-core) with 2GB PC2-4200 533Mhz Ram-4x1GB (NECC), 1.25MB L2 cache per core, 1.15Ghz Bus, NVIDIA GeForce 6600 LE w/256MB GDDR SDRAM (1 single-link, 1 dual-link DVI ports), 250GB Hard Drive, 16x Super Drive double-layer, 3 PCI Express slots (2 4-lane & 1 8-lane slots), 1 Firewire 800, 2 FireWire 400, 4 USB 2.0, 2 USB 1.1 ports, USB Keyboard extension cable, DVI to VGA adapter, Airport antenna, Built-in Dual 10/100/1000 Ethernet, Apple Pro Keyboard & Mighty Mouse, MAC OSX 10.5.8, iLIFE'09, iWORK'09

Holiday Sale Price with 250 Gig HD and 20" Cinema Display: \$600.00

Holiday Sale Price with 500 Gig HD and 20" Cinema Display: \$670.00

Holiday Sale Price with 250 Gig HD Only: \$525.00

Holiday Sale Price with 250 Gig HD Only: \$595.00



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See back for even more Holiday Specials from ComSource!!

CTO 15 IN PowerBook G4/1.67GHz with 1GB PC2-4200 DDR2 SDRAM-2 Dimms (2x512MB), 120GB HD, 8xSuper Drive, 15.2TFT display, ATI Mobility Radeon 9700 w/128MB DDR SDRAM and dual-link DVI, Airport Extreme, Bluetooth, Full-size Illuminated Keyboard, Sudden Motion Sensor, Scrolling Trackpad, 56K Modem, Gigabit Ethernet, Type I/II PC card slot, Firewire & USB ports, DVI, VGA, S-video and Composite video out, MAC OSX 10.5.8, iLIFE'09, iWORK'09

The Ultimate All-In One Desktop!

CTO 20 IN IMac G5/2.1Ghz with 1GB with PC2-4200 DDR SDRAM-2x512, 700Mhz bus, 250GB HD, Slot-loading 8x Super drive (DVD+R DL/DVD±RW/CD-RW), ATI Radeon X600 XT with 128MB DDR SDRAM; PCI-Express, 10/100/1000 Base-T Gigabit, 56K modem, Built-in Airport Extreme & Bluetooth 2.0 +EDR, 1440x900 LCD display, Built-in iSight, 3 USB & 2 Firewire ports, Apple Keyboard, Mighty Mouse, MAC OSX 10.5.8, iLIFE'09, iWORK'09

Holiday Sale Price for PowerBook G4: \$395.00



Holiday Sale Price for 20 IN IMAC: \$425.00



Monitors





HP L1706 FP	17" LCD Flat Panel	Holiday Sale Price: \$65.00
HP L2065 FP	20" LCD Flat Panel	Holiday Sale Price: \$115.00



Desktops

 Dell GX280 DT	P4 – 3.2 512 MB of RAM 40 Gig HD CD XP Pro <i>Includes keyboard and mouse</i>	Holiday Sale Price: \$125.00	
HP DC5750	Athlon 64 Dual Core – 2.0 1 Gig of RAM 80 Gig HD DVD/CDRW XP Pro <i>Includes keyboard and mouse</i>	Holiday Sale Price: \$175.00	

Laptops

Dell Latitude D820	CoreDuo – 2.0 1 Gig of RAM 60 Gig HD DVD/CDRW Wireless B/G XP Pro 15" Wide Screen	Holiday Sale Price: \$395.00	
Dell Latitude D610	PM - 2.13 2 Gig of RAM 60 Gig HD DVDRW Wireless B/G XP Pro 14" Screen	Holiday Sale Price: \$335.00 	
Dell Latitude D420	CoreDuo – 1.2 2 Gig of RAM 80 Gig HD External DVDRW Wireless B/G XP Pro 14" Screen	Holiday Sale Price: \$255.00	

In addition to the special price we are also passing along FREE SHIPPING when you purchase one of the Holiday specials from this newsletter. **TO REDEEM ONLINE:** Enter promotion code **9PH9FB** in the promotion code box on the Payment Information page during checkout to receive your Free Shipping discount.

All Equipment comes clean and tested. We accept all credit cards.



Please Read – Special Terms and Conditions:

Quantities and type of equipment available for sale changes daily!

Equipment will be located in East Syracuse, NY. PC Equipment comes with Operating System Only (no original software/CDs)! Orders processed and shipped out 72 hours after receipt of order. (excluding weekends and holidays) Sale Prices do not include shipping and tax.