

Educational Lease and Purchase Options for Institutions



The System i Model 515 delivers the full capabilities of POWER5+™ and i5/OS for entry system customers. The Model 515 delivers the performance to run the applications today's businesses required in an affordable package. The 9407 Model 515 has attributes that include:

- Security and virus resistance
- The ability to run i5/OS, Linux®, and AIX® 5L™ applications on a single system and integrate IBM xSeries® (System x™) servers running Windows or Linux.
- Note the 515 does not support an HSL adapter. Therefore the maximum number of disk drives supported is 8, all placed within the 515 processor enclosure (CEC). Also, any integrated xSeries server support is via an Internet Small Computer System Interface (iSCSI) adapter.

The Model 515 provides the full power of its POWER5+ processor available for either or both batch (non-interactive) and 5250 OLTP work. For applications which are not I/O intensive, this translates to 3800 CPW (batch and 5250 OLTP) for the 1-way system and 7100 CPW for the 2-way system. For applications which are disk I/O intensive, this translates to 800 CPW (batch or 5250 OLTP) for either the 1-way or 2-way Model 515. The Model 515 has a maximum of eight disk drives.

For additional information on System i you can check out the Web pages at:

<http://www.ibm.com/systems/i/>

<http://www.redbooks.ibm.com/abstracts/redp5052.html?Open>

Educational Lease and Purchase Options

Through the IBM Academic Initiative for System i program, schools in the United States may lease or purchase the latest technology by selecting from the following options:

Hardware

Lease Option

The school may lease a Model 515 and IBM provides the latest version and release level operating system and software available, along with a 1-year software subscription. The Model 515 is what we recommend for the majority of our schools. It is possible to make slight changes to this configuration – there may be additional charges based on the changes.

The configuration of this processor as well as the software configuration follows. Additional hardware features may be added at an additional cost depending on availability. Information on adding the Integrated System x Servers (IXS) and Adapters (IXA) for System i to the Model 525 is included. The Model 515 cannot be configured to add the IXS or IXA.

* Installation of the System i is the responsibility of the school. Installation manuals are included with the shipment of the system.

Terms of Monthly Lease: 24 months. If you decide to discontinue the lease after 12 months, a 30-day written termination notice is required. Please contact the Academic Initiative for more details.

End of Lease Options:

- ◆ Continue existing lease on a month-to-month basis, invoices will be at the leased rate. This option happens automatically at the end of your 24-month lease unless your system is returned and you enter into a new 24-month lease. No action is required if you choose the month-to-month option.
- ◆ Upgrade system with new 24-month lease to remain current with technology.
- ◆ Purchase equipment at the fair market value.
- ◆ Return equipment to IBM Global Financing. It is the school's responsibility to pay return shipping costs.

Purchase Option

If you choose not to lease the latest technology, the sponsored school may purchase a Model 515 at a 40% discount off the list price of the hardware and IBM provides the latest version and release level operating system and software available, along with a 1-year software subscription.

Software

If the educational institution already owns a System i school, IBM Academic Initiative will provide the most current software available. For those schools obtaining an educational lease or purchase through our program the software configuration listed is included at no additional cost.

If the configuration is changed there may be an additional price for preloading your software on the system prior to shipping.

Software Maintenance for System i (SWMA)

Software Maintenance (SWMA) allows you to update your software on demand to the latest versions, releases or modifications. It also gives you both voice and electronic support for the first year of your lease. One year of SWMA is included at no charge with your new hardware order so that your school can take advantage of these offerings.

As you are becoming familiar with your new System i you will have the capability to use SWMA for problem determination and resolution, interpretation of publications, analysis of system data, and basic installation, usage and configuration questions.

Please contact academicinitiative@us.ibm.com if you have any questions on this offering.

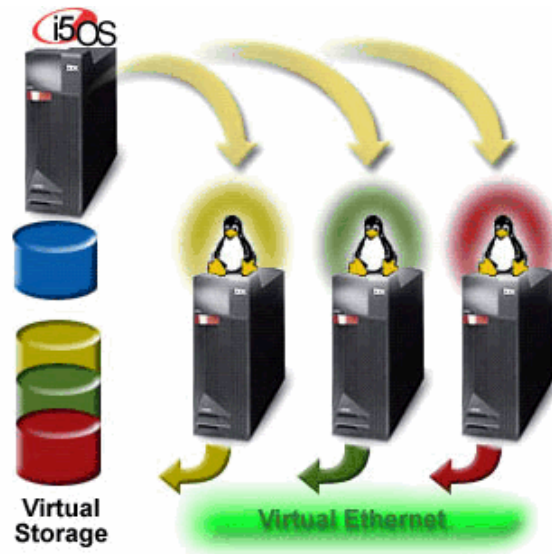
Note: SWMA for System i covers a selected set of software products. For a complete listing of covered products go to www.ibm.com/servers/eserver/series/sftsol/subscript3.htm

Virtual Partition Manager

The IBM Virtualization Engine, which provides support for logical partitioning and resource virtualization through i5/OS, is included with eServer i5 servers.

The Virtual Partition Manager (VPM) introduces the capability to create and manage Linux partitions without the use of the Hardware Management Console (HMC). The Virtual Partition Manager supports the needs of small and medium customers that want to add simple Linux workloads to their eServer i5 server. The Virtual Partition Manager is included with i5/OS V5R3, as illustrated in the following figure.

*Questions regarding the hardware or software opportunities may be sent to
AcademicInitiative@us.ibm.com*



The Virtual Partition Manager supports environments with one i5/OS partition and up to four Linux partitions. In addition, the single i5/OS partition must own and manage all of the I/O resources.

The HMC remains the premier management tool for logical partitioning on the eServer i5 server. It is required to support more robust configurations: multiple i5/OS partitions, AIX 5L partitions, flexible hardware resource assignments, and dynamic resource movement.

Included in this packet is a configuration for the Model 515 with this feature included.

Virtual Partition Manager vs. HMC

The key differences between the Virtual Partition Manager and the HMC are highlighted in this table.

	Virtual Partition Manager	Hardware Management Console
Operating Systems supported	i5/OS and Linux	i5/OS, Linux and AIX
Maximum number of partitions	5 (1 i5/OS + 4 Linux)	254
Uncapped partition support	Yes	Yes
Dynamic resource movement	No	Yes
I/O support for Linux Partitions	Virtual	Virtual and Direct
Maximum # of Virtual Ethernet Connections	4	4096
Maximum Virtual Disk per Partition	64TB	64TB

For additional information on Virtual Partition Manager you can check out the Web page at:

<http://www.redbooks.ibm.com/abstracts/redp4013.html?Open>

9407 System Configuration

Model 515 – Express Configuration 2

Modifications can be made to best suit your needs, however price may change depending on requested modifications.

9407-515	9407 Model 515	1
0041	Device Parity Protection (All)	1
0367	Operations Console PCI Cable	1
0532	Software Version V5R4	1
0835	#4327 Load Source Specify	1
1025	Modem Cable – US/Canada	1
1827	Serial-UPS Conversion Cable	1
2924	English	1
4474	2GB DDR2 Main Storage	4
4901	1W Serv Feature 515 1x8327	1
5000	Software Preload Required	1
5159	850 Watt Power Supply	1
5553	Sys Console-Ethernet No IOP	1
5570	5727 Cache + 2 70GB Disk Pkg	1
6011	515 Express Configuration 2	1
6470	6-Ft 125V/15A Power Cord	2
6585	DASD Locking Kit	1
6587	Model 520 Rear Cover	1
7181	Easy-Access Front Cover	1
7885	Deskside	1
8327	1.9GHz Processor	1
8410	Base Proc Activation	1
9540	Base DVD-ROM	1
9613	Base 70.56GB 15k rpm Disk Unit	2
9653	Base 30GB ¼ inch Cart Tape	1
9793	Base PCI 2-Line WAN w/Modem	1
9844	Base PCI IOP	1

Approximate hardware lease total: \$356.00/month

Approximate maintenance charge total (prior to program discount): **\$86.00/month**

Optional Features:

9910-P15 Uninterruptable Power System (UPS)

May be purchased for \$555 or added to lease payment for an additional \$21/month

7320 Additional CPW/2nd Processor (7100 CPW)

May be added to lease payment for an additional \$18/month

9407 System Configuration

Model 515 with Virtual Partition Manager

Modifications can be made to best suit your needs, however price may change depending on requested modifications.

9407-515	9407 Model 515	1
0041	Device Parity Protection (All)	1
0140	Logical Partitioning Specify	1
0142	Linux Partition Specify	1
0367	Operations Console PCI Cable	1
0532	Software Version V5R4	1
0835	#4327 Load Source Specify	1
1025	Modem Cable – US/Canada	1
1827	Serial-UPS Conversion Cable	1
2924	English	1
4474	2GB DDR2 Main Storage	4
4901	1W Serv Feature 515 1x8327	1
5000	Software Preload Required	1
5159	850 Watt Power Supply	1
5553	Sys Console-Ethernet No IOP	1
5570	5727 Cache + 2 70GB Disk Pkg	1
6011	515 Express Configuration 2	1
6470	6-Ft 125V/15A Power Cord	2
6585	DASD Locking Kit	1
6587	Model 520 Rear Cover	1
6598	Disk Slot Filler (Qty 4)	1
7181	Easy-Access Front Cover	1
7885	Deskside	1
7966	Adv Power Virtualization	1
8327	1.9GHz Processor	1
8410	Base Proc Activation	1
9540	Base DVD-ROM	1
9613	Base 70.56GB 15k rpm Disk Unit	2
9653	Base 30GB ¼ inch Cart Tape	1
9793	Base PCI 2-Line WAN w/Modem	1
9844	Base PCI IOP	1

Approximate hardware lease total: \$369.00/month

Approximate maintenance charge total (prior to program discount): \$86.00/month

Optional Features:

9910-P15 Uninterruptable Power System (UPS)

May be purchased for \$555 or added to lease payment for an additional \$21/month

7320 Additional CPW/2nd Processor (7100 CPW)

May be added to lease payment for an additional \$18/month

9406 System Configuration

Model 525 – Express Configuration 1

Modifications can be made to best suit your needs, however price may change depending on requested modifications.

9406-525	9406 Model 525	1
0040	Mirrored System Disk Level	1
0367	Operations Console PCI Cable	1
0532	Software Version V5R4	1
0835	#4327 Load Source Specify	1
0909	1/2W Serv Feat 525 1x8330	1
1025	Modem Cable – US/Canada	1
1827	Serial-UPS Conversion Cable	1
2640	DVD-ROM	1
2924	English	1
4474	2GB DDR2 Main Storage	4
5000	Software Preload Required	1
5544	Sys Console on OP Console	1
5571	5727 Cache + 6 70GB Disk Pkg	1
6258	36GB 4mm Tape Unit	1
6470	6-Ft 125V/15A Power Cord	1
6574	4-Disk Slot Exp – Base Ctlr	1
6587	Model 520 Rear Cover	1
7180	Acoustic Front Cover	1
7790	Express Configuration #1	1
7885	Deskside	1
8330	1.9GHz Proc 0/2-Way	1
8410	Base Proc Activation	1
9793	Base PCI 2-Line WAN w/Modem	1
9844	Base PCI IOP	1

Approximate hardware lease total: \$457.00/month

Approximate maintenance charge total (prior to program discount): \$250.00/month

Optional Features:

9910-P15 Uninterruptable Power System (UPS)

May be purchased for \$555 or added to lease payment for an additional \$21/month

7320 Additional CPW/2nd Processor (7100 CPW)

May be added to lease payment for an additional \$18/month

Integrated IBM BladeCenter and System x Solutions for System i

Many businesses today manage heterogeneous environments that include Microsoft® Windows® applications running on Intel® processor-based servers and core business applications running on an IBM System i. This mix of servers may be necessary to support business needs; however, it may also grow into a challenging environment — one that involves managing many discrete servers and can lead to higher costs, and a more difficult operation to manage overall.

The IBM System i Model 525 offers two solutions that provide powerful and flexible alternatives to managing Intel processor-based server farms: the IBM Integrated System x® Server and the IBM Integrated System x Adapter.

Both products deliver tightly integrated, easily managed Intel server deployment solutions that help provide a cost-effective and efficient alternative to running Windows on multiple standalone servers.

The difference between the two solutions is how the System x hardware integration is accomplished. Each solution is designed to meet different requirements.

Integrated System x Server (IXS)

The Integrated System x Server is an Intel processor-based server on a PC-based interface card that plugs into a System i server. It delivers a powerful Intel Xeon™ 2.0 GHz processor. It has a built-in 10/100 Mbps Ethernet Adapter. The IXS leverages the system management, communication and storage resources of a System i server, but otherwise operates as if it were a standalone Intel server.

Integrated System x Adapter (IXA)

The Integrated System x Adapter is a PCI-based interface card that installs inside selected models of System x servers, providing a 1 GigaByte per second (GBps) high-speed link to a System i server. This allows for centralized storage, and integrated operations and systems management.

Configurations and costs for both of these solutions follow.

For more information on the Integrated IBM BladeCenter and System x Solutions for System i visit

<http://www-03.ibm.com/systems/i/bladecenter/>

9406 System Configuration

Model 525 adding Integrated System x Adapter (IXA)

9406-525	9406 Model 525	1	5000	Software Preload Required	1
0041	Device Parity Protection (All)	1	5544	Sys Console on OP Console	1
0092	External xSeries Attach	1	5571	5727 Cache & 6 70GB Disk Pkg	1
0367	Operations Console PCI Cable	1	6008	SPCN 6m Cable	2
0532	Software Version V5R4	1	6258	36GB 4mm Tape Unit	1
0835	#4327 Load Source Specify	1	6470	6' 125V/15A Power Cord	1
0909	1/2W Serv Feat 525 1x8330	1	6574	4-Disk Slot Exp – Base Ctlr	1
1025	Modem Cable – US/Canada	1	7180	Acoustic Front Door	1
1474	6m HSL to HSL-2 Cable	2	7790	Express Configuration #1	1
1827	Serial-UPS Conversion Cable	1	7885	Deskside	1
2640	DVD-ROM	1	8330	1.9GHz Proc 0/2-Way	1
2888	HSL-2/RIO-G Ports – 2 Copper	1	8410	Base Proc Activation	1
2924	English	1	9793	Base PCI 2-Line WAN w/Modem	1
4474	2GB DDR-2 Main Storage	4	9844	Base PCI IOP	1

Approximate hardware lease total: \$475.00/month

Approximate maintenance charge total (prior to program discount): **\$250.00/month**

1519-200 Direct Attach xSeries Server

May be purchased for \$1,100 or add \$22 to monthly lease

Optional Features:

9910-P15 Uninterruptable Power System (UPS)

May be purchased for \$555 or added to lease payment for an additional \$21/month

7320 Additional CPW/2nd Processor (7100 CPW)

May be added to lease payment for an additional \$18/month

9406 System Configuration

Model 525 adding Integrated System x Server (IXS)

9406-525	9406 Model 525	1	5571	5727 Cache & 6 70GB Disk Pkg	1
0041	Device Parity Protection (All)	1	6258	36GB 4mm Tape Unit	1
0367	Operations Console PCI Cable	1	6470	6' 125V/15A Power Cord	1
0532	Software Version V5R4	1	6574	4-Disk Slot Exp – Base Ctlr	1
0835	#4327 Load Source Specify	1	7180	Acoustic Front Door	1
0909	1/2W Serv Feat 525 1x8330	1	7790	Express Configuration #1	1
1025	Modem Cable – US/Canada	1	7885	Deskside	1
1827	Serial-UPS Conversion Cable	1	8330	1.9GHz Proc 0/2-Way	1
2640	DVD-ROM	1	8410	Base Proc Activation	1
2924	English	1	9726	Base 512MB Server Memory	2
4474	2GB DDR-2 Main Storage	4	9744	Base PCI IOP	1
4811	PCI Integ xSeries Server	1	9793	Base PCI 2-Line WAN w/Modem	1
5000	Software Preload Required	1	9844	Base PCI IOP	1
5544	Sys Console on OP Console	1			

Approximate hardware lease total: \$484.00/month

Approximate maintenance charge total (prior to program discount): \$250.00/month

Optional Features:

9910-P15 Uninterruptable Power System (UPS)

May be purchased for \$555 or added to lease payment for an additional \$21/month

7320 Additional CPW/2nd Processor (7100 CPW)

May be added to lease payment for an additional \$18/month

i5/OS V5R4 Software Configuration

If an equipment lease is not needed by the sponsored school, IBM Academic Initiative will provide the most current software available for your system. For those schools obtaining an educational lease or purchase through our program the software configuration listed is included at no additional cost. Please e-mail AcademicInitiative@us.ibm.com to request your copy.

5372-IS5 iSERIES HIPO

0515 Model 515 Routing
 1000 OS/400 (5722-SS1)
 1001 AFP Util (5722-AF1)
 1002 BRMS (5722-BR1)
 1006 Infoprint Server (5722-IP1)
 1007 Advanced Job Sched (5722-JS1)
 1008 Perf Tools (5722-PT1)
 1009 Query (5722-QU1)
 1011 DB2 Query (5277-ST1)
 1012 Client Access Processor (5722-XW1)
 1015 Websph Dev Studio (5722-WDS/5799-GPB)
 1032 Sys Manager (5722-SM1)
 1035 Data Propagator for iSeries (5722-DP4)
 1500 M&S Ext (5722-SS1)
 1503 PSF Anyspeed (5722-SS1)
 1505 HA Switchable Resources (5722-SS1)
 1506 Network (5722-BR1)
 1507 Advance (5722-BR1)
 1508 Performance Tools Manager (5722-PT1)
 1515 Opticonnect (5722-SS1)
 1517 DB2 Symmetric Multiprocessing (5722-SS1)
 1518 DB2 Multisystem (5722-SS1)
 1520 Sonoran Serif (5769-FNT)
 1521 Sonoran Serif Headliner (5769-FNT)
 1522 Sonoran San Serif (5769-FNT)
 1523 Son San Serif Headliner (5769-FNT)
 1524 Son San Serif Condensed (5769-FNT)
 1525 Son San Serif Expanded (5769-FNT)
 1526 Mono Garamond (5769-FNT)
 1527 Century Schoolbook (5769-FNT)
 1528 Pi and Specials (5769-FNT)
 1529 ITC Souvenir (5769-FNT)
 1530 ITC Avant Garde Gothic (5769-FNT)
 1531 Math and Science (5769-FNT)
 1532 DATA1 (5769-FNT)
 1533 APL2 (5769-FNT)
 1534 OCRA and OCRB (5769-FNT)
 1535 Japanese (5769-FN1)

5372-IS5 iSERIES HIPO (cont'd.)

1536 Korean (5769-FN1)
 1537 Trad Chinese (5769-FN1)
 1538 Simp Chinese (5769-FN1)
 1539 Thai (5769-FN1)
 1546 PS to AFP Transform (5722-IP1)
 2924 English U/L SBCS Primary
 3540 Version 5 Release 4.0
 5000 Pre-Load
 5050 Active Processor Quantity
 5054 i5/OS Unlimited Users Mfg Key
 6003 InfoPrint Designer (5733-ID1)
 6010 WebSphereExpress V6.0 (5722-WE2)

5648-B45 AFP FONT COLLECTION V2.1.1

0005 BOTC OS/400
 5957 CD-ROM, OS/400
 9001 Asset Registration

5722-AF1 ADVANCED FUNCTION PRINTING

0001 P05 Basic OTC AFP Util
 2924 Eng U/L SCS Primary
 5819 CD-ROM V5R2/R3/R4

5722-BR1 BACKUP RECOVERY& MEDIA SVCS

0516 BOTC Network
 0518 P05 Basic OTC Advance
 0550 P05 Basic OTC BRMS
 2924 Eng U/L SBCS Primary
 5839 CD-ROM BRMS V5R4
 5931 Network Function Feature V5R4
 5932 Advanced Function Feature V5R4

5722-DP4 IBM DATAPROPAGATOR RELATIONAL V8

0989 P05 Basic OTC DataProp
 2924 Eng U/L SBCS Primary
 5819 CD-ROM Media

5722-DR1 IBM DIRECTOR FOR I5/OS V5.20

1559 BOTC Director for i5/OS
2935 Multilingual Language
5809 CD-ROM

5722-IP1 IBM INFOPRINT SERVER FOR ISERIES

0494 P05 Basic OTC Infoprint
1468 P05 Basic OTC PS to AFP Transform
2924 Eng U/L SBCS Primary
5829 CD-ROM InfoPrint V5R3/R4
5921 CD-ROM PS to AFP Transform

5722-JS1 ADV JOB SCHEDULER – ISERIES

0196 P05 Basic OTC Job Sched
2924 Eng U/L SBCS Primary
5839 CD-ROM V5R4

5722-PT1 IBM PERFORMANCE TOOLS FOR ISERIES

0263 P05 Basic OTC Perf Tools
0334 P05 Basic OTC Manager
2924 English U/L SBCS Primary
5839 CD-ROM Performance Tools V5R4
5931 CD-ROM Manager Feature V5R4

5722-QU1 IBM QUERY FOR ISERIES

0482 P05 Query – Package
2924 English U/L SBCS Primary
5839 CD-ROM V5R4

5722-SM1 IBM SYSTEM MANAGER FOR ISERIES

0393 BOTC System Manager
2924 English U/L SBCS Primary
5839 CD-ROM V5R4

5722-SS1 OPERATING SYSTEM/400

0600 P05 Basic OTC OptiConnect
0647 P05 Basic OTC DB2 SMP
0660 DB2 Multisystem
0664 Media & Storage Extensions
0665 P05 Basic OTC HA Switchable Res
0685 PSF Anyspeed
1550 Media Charge – Keyed Products
2001 ePoE Registration
2680 PSF Fonts CD
2924 Eng U/L SBCS Primary
5839 CD-ROM OS/400 V5R4
5840 SLIC – V5R4M0
5931 CD-ROM Media and Storage Exten
5932 CD-ROM OptiConnect V5R4
5933 CD-ROM DB2 Symmetric Multiproc
5934 CD-ROM DB2 Multisystem V5R4
5938 CD-ROM PSF/400 AnySpeed V5R4
5939 CD-ROM HA Switchable Resources
6001 License Registration (qty. 1)
6101 i5/OS per User Registration (Qty 5)
6398 i5/OS Unlimited Users Registration
7030 Setup and Operations CD V5R4

5722-SSC i5/OS PER USER BILLING

1600 OTC per 5 Base Users (515)
1647 Unlimited Users (515)

5722-ST1 IBM DB2 QUERY MGR & SQL DEV KIT

0488 P05 DB2 Query -- Package
2924 Eng U/L SBCS Primary
5839 CD-ROM V5R4

5722-WDS IBM WEBSPHERE DEV STUDIO

1531 P05 Basic OTC WebSphere – Edition
2924 English U/L SBCS Primary
5839 CD-ROM WebSphere Dev Studio V5R4

5722-WE2 IBM WEB ENABLEMENT FOR I5/OS

1536 BOTC WebSphere Express V6.0
2924 English U/L SBCS Primary
5902 CD-ROM WebSphere Express V6.0

5722-XW1 ISERIES ACCESS

0762 P05 PB Registration
2924 English U/L SBCS Primary
5839 CD-ROM Processor Based V5R4

5733-DR1 DIRECTOR VE CONSOLE FOR I5/OS V5.10

0001 BOTC Director for i5/OS
2935 Multilingual Language
5819 DVD

5733-FXD IBM INTEGRATED DOMINO FAX

2474 IPLA Per Use Domino Fax
5819 CD-ROM Media (V4R5M0)
9001 Basic Asset Registration

5733-ID1 IBM INFOPRINT DESIGNER FOR ISERIES

2472 Basic OTC
5809 CD-ROM

5733-SPP IBM SOFTWARE MAINTENANCE FOR I5/OS AND SELECTED PRODUCTS (1 YR)

2935 Multilingual Language
4907 P05 Price per Proc 1 yr Reg
5829 Supply Media

5733-XT1 XML TOOLKIT FOR ISERIES

4714 BOTC XML Toolkit (Zero Priced)
5809 CD-ROM

**5769-FN1 IBM ADVANCED FUNCTION PRINTING
FOR AS/400**

0645 Basic OTC Japanese
0649 Basic OTC Korean
0653 Basic OTC Simp Chin
0657 Basic OTC Thai
0661 Basic OTC Trad Chin
2924 English U/L SBCS Primary
5901 Japanese Font Supply
5902 Korean Font Supply
5903 Traditional Chinese Font Supply
5904 Simplified Chinese Font Supply
5905 Thai Font Supply
9001 Basic Asset Registration

5798-FAX FAX SUPPORT FOR ISERIES

2843 PG P10 OTC
2924 Eng U/L SBCS Primary
5819 Supply Feat CD-ROM Media

5799-PTL ISERIES TOOLS FOR DEVELOPERS

0001 BOTC Tools for Developers
6859 CD-ROM

5769-FNT ADV FUNCT PRTF FONTS

0666 Basic OTC Apl2
0670 Basic OTC Data1
0674 Basic OTC Gothic
0678 Basic OTC Headliner
0682 Basic OTC Math/Sci
0686 Basic OTC Monotype
0690 Basic OTC OCR A/B
0694 Basic OTC PI/Special
0698 Basic OTC SSS
0702 Basic OTC SSS Condens
0706 Basic OTC SSS Expand
0710 Basic OTC SSS Head
0714 Basic OTC Schoolbk
0718 Basic OTC Son Serif
0722 Basic OTC Souvenir
2924 Eng U/L SBCS Primary
5901 Supply Feat Sonoran Serif
5902 S/F Sonoran Serif Headliner
5903 Sonoran Sans Serif
5904 Sonoran Sans Serif Head
5905 Sonoran Sans Serif Cond
5906 Sonoran Sans Serif Expand
5907 Monotype
5908 Schoolbook
5909 Pi and SPecials
5910 ITC Souvenir
5911 ITC Avant Gothic
5912 Math and Science
5913 DATA1
5914 APL2
5915 OCRA and OCRB
9001 Basic Asset Registration