

IBM System/32

► appointment information and patient charge slips, and a practice analysis system that provides statistical reports for each doctor on a calendar year basis.

SYSTEM/32 MANAGEMENT SYSTEM FOR LAW FIRMS: This IAP (5725-F52) is designed to aid law firms in effectively controlling their time and disbursement accounting, billing, and accounts receivable. The Billing Information Memo and other reports such as Unbilled Time and Disbursements, Matter Billing Summary, and Aged Accounts can be printed weekly, monthly, or on demand to provide the necessary information to make the necessary billing decisions.

This IAP runs on a minimum System/32 and became available in January 1977.

DISTRIBUTORS MANAGEMENT ACCOUNTING SYSTEM (DMAS): This IAP consists of separately priced modules including Billing (5725-D41), Accounts Receivable (5725-D43), Inventory Control (5725-D45), and Sales Analysis (5725-D47). DMAS is generalized and designed for numerous types of businesses in the distribution industry. Payroll, Accounts Payable, and General Ledger modules may be added from DFAS (5725-D6X). DMAS will run on either a 16K- or 24K-byte System/32. Performance improvements in the larger-memory versions of each system come from the reduction of overlays, incorporation of larger blocking factors, and use of dual I/O areas.

Functions performed by the Billing system include order entry and editing, production of slot-sequenced picking documents for warehouse operations or case labels, customer invoices, an audit trail of daily billing activities, and a daily summary of each salesperson's activity. Other information provided by the Billing program includes the provision of multiple pricing options, special allowance notations, suggested retail prices, and automatic substitutions and special offers. The Billing program accumulates accounts receivable information that is later available to the Sales Analysis, Inventory Control, and Accounts Receivable programs for further analysis and evaluation.

The Inventory Control programs maintain perpetual inventory and "on-order" status for each item in inventory. A weekly buyer's report provides data on sales by item and inventory demand and movement. Reports on inventory activities, including inventory turns, profitability, and stock-outs, can be prepared on a weekly or monthly basis or on demand.

The Sales Analysis programs produce reports on the sales activities and performance of individual items, sales personnel, and customer activities. Either detailed or summary reports can be selected.

The Accounts Receivable program uses data accumulated by the Billing program to produce weekly and monthly statements and aging reports. The programs handle both open-item and balance-forward customer accounts and print a copy of the aged trial balance on demand. Delinquent notices are automatically prepared for monthly delinquent accounts.

The Billing, Inventory Control, Accounts Receivable, and Sales Analysis programs are tailored to individual customer requirements through the use of a questionnaire that permits the user to select optional functions and reports and to tailor file volumes and data field sizes. The Distributors Management Accounting System requires the System/32 System Control Program (Version 5 or above) and the Utilities Program Product for execution. DMAS is written in RPG II.

SYSTEM/32 LUMBER DEALERS MANAGEMENT ACCOUNTING SYSTEM (LDMAS): This IAP is com-

posed of a Billing module (5725-D4F), an Accounts Receivable module (5725-D4B), an Inventory Control module (5725-D4D), and a Sales Analysis module (5725-D49). The user may elect to purchase any or all modules. The Billing application prepares estimates and can handle selection of six different prices per item, dependent on customer code; these prices are in addition to the list price. The application also handles price conversion, with computations for square-foot, lineal-foot, and board-foot items in addition to multiple sales tax calculations. The Inventory Control Application provides both last and average cost figures for inventory valuation as well as inventory distribution by value. The Accounts Receivable application permits the user to change a customer from open item to balance forward or the reverse at the end of the month or accounting period. The Sales Analysis application produces daily and monthly reports by customer, as well as four-way reporting of profit margins. Facilities are built in to modify data file sizes and user-maintained constants.

This IAP requires a System/32 with either 16K or 24K bytes of memory, 5 megabytes of disk storage, and a printer with 132 positions. The system is written in RPG II and runs under the System Control Program, 5725-SC1 (Version 5 or above). The System/32 Utilities are also required. An LDMAS user may elect to purchase the DFAS Payroll, Accounts Payable, and General Ledger modules.

SYSTEM/32 FOOD DISTRIBUTORS MANAGEMENT ACCOUNTING SYSTEM (FDMAS): Like LDMAS, FDMAS is composed of a Billing module (5725-D6A), an Accounts Receivable module (5725-D66), an Inventory Control module (5725-D68), and a Sales Analysis module (5725-D6C). The Billing module features an open orders file in customer or item order that allows either case labels or a packing list in warehouse (slot) sequence. For billing purposes, variable pricing methods are available, including contract pricing, six classes of customer class pricing, cost plus pricing, catchweight pricing, broken case pricing with surcharge, special charges and allowances, case label charges, and cash and trade discounts. The Accounts Receivable module offers balance forward or open item selectable by account with late charges on monthly statements. As one of the features of this module, a summary or detail aged trial balance can be produced monthly or on demand. Up to four aging periods can be specified for the trial balance. The Inventory Control module supplies last cost and burden cost, full maintenance of broken case quantities, and warehouse location by slot. The Sales Analysis module provides sales and profitability figures by salesman, customer, item, and item class. The number and type of reports generated from this module are dependent in large part on the installation of the other modules in this application.

All programs in FDMAS are written in RPG II and can co-reside with the Accounts Payable, Payroll, and General Ledger modules of DFAS. Both 16K- and 24K-byte versions of FDMAS are available. Version 5 or above of the System/32 SCP is required, as is the System/32 Utilities program product.

SYSTEM/32 STUDENT ADMINISTRATION SYSTEM: This application consists of three interrelated programs written in RPG II, available for separate purchase. The Student Records module (5725-E31) is a prerequisite for the other modules and generates student profiles, class rosters, course curriculum lists, instructor lists, and instructor/room schedules.

The Student Accounting module (5725-E32) manages and reports attendance data on a daily basis, including absences unresolved from prior days. This module also contains programs that analyze report marks and prepare report cards. The Student Scheduling module (5725-E33) provides scheduling for up to four terms in a school year and up

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► to 24 periods in a day. Module options include student free time requests and instructor selection. Scheduling for the next year and rescheduling remaining terms of the current year are other features.

The Student Administration System requires a 24K-byte System/32 with a 5-megabyte disk storage capacity. The system is written in RPG II and requires the Utilities program product.

SYSTEM/32 MOTOR FREIGHT ACCOUNTING SYSTEM (MFAS): This application (5725-T21) offers small and medium-sized general freight and specialty carriers a package of programs to help analyze and refine numerous revenue accounting functions. These include such business operations as freight bill entry and daily reports, accounts receivable, interline payments, owner operator accounting, and shipment analysis. MFAS prints statements for direct customer billing, freight payment plans, transport clearing houses, inbound and outbound terminal summaries, and undelivered freight reports. MFAS operates under SCP on a 24K-byte System/32. The application is written in RPG II and requires the Utilities program product.

SYSTEM/32 FINANCIAL INSTITUTIONS CUSTOMER ACCOUNTING SYSTEM: This IAP consists of four modules: Customer Information File (5725-F11), System Demand Deposit Accounting (5725-F12), System Savings Accounting (5725-F13), and Installment Loan Accounting (5725-F14). The system makes it possible for small commercial banks with 5 to 25 million dollars in deposits to handle savings and checking account information now processed by correspondent banks, other data services, or manual means.

The Customer Information File module provides the bank with a central source of information about its customers and their associated accounts, retrievable by customer name or specific account number. This module provides a customer services report, a customer profile, and mailing labels for selected groups of customers.

The Demand Deposit Accounting module processes checking account deposits and withdrawals and offers the optional functions of overdraft banking, automatic funds transfer, and combined statements showing savings account balances. Monetary transactions can be entered with the IBM 1255 Magnetic Character Reader and posted against the current, available, or collected balance.

The Savings Accounting module processes deposits and withdrawals from regular savings accounts and time deposit open accounts. The module offers up to eight different plans at one time for calculating, compounding, and crediting interest. Annual interest is reported to the customer on 1099 forms.

The Installment Loan Accounting module processes add-on, discount, and simple interest loans employing both monthly and quarterly payment schedules. The same loan may have different accrual and refund methods and early payoff including interest and insurance refunds.

This application requires either a 24K- or 32K-byte System/32 operating under SCP Version 6 or above with System Utilities installed.

PRICING

POLICY: IBM offers the System/32 on a purchase or rental basis. Two rental policies are available, the standard Monthly Availability Charge (MAC) and the System/32 Term Availability Plan (TAP).

The TAP has a contract duration of 36 months and has a first-year monthly charge that is approximately 9 percent lower than the Monthly Availability Charge (MAC). The TAP provides lease and purchase price protection for a period of one year and accrual of up to 50% of the purchase price of the equipment at the end of three years. IBM reserves the right, on 60 days' notice, to increase the TAP monthly charge and/or purchase price by up to 5% during the second year of the lease, and by another 5% during the third year. The customer can elect to extend the TAP contract for any number of one-year periods and for one period of less than a year. Equipment acquired under the TAP may be field-upgraded, although modifications that result in a model downgrade will incur a termination charge. IBM offers a discount of 10 percent to qualified educational institutions.

SOFTWARE: System/32 users receive the basic System Control Program at no additional cost. All other IBM software, including RPG II, Basic Assembler, FORTRAN IV, the 5320 Program Support Product, and the Industry Application Program, is separately priced. The IAP's are supplied on IBM-owned diskettes, include documentation, operator manuals, and instructional materials, and are maintained by IBM.

EQUIPMENT: The following systems illustrate the limits of non-communications-oriented System/32 configuration possibilities. No software is included in the indicated prices.

MINIMUM SYSTEM: Consists of 5320 Model A01 System Unit, including 16K bytes of main storage, 3.2 million bytes of disk storage, diskette drive, 40-cps unidirectional serial printer, keyboard, and display. Monthly rental, \$825 (1-year lease) or \$749 (TAP). Purchase price, \$33,560.

EXPANDED SYSTEM: Consists of 5320 Model B33 System Unit with 32K bytes of main storage, 9.1 million bytes of disk storage, diskette drive, 155-lpm line printer, keyboard, and display. Monthly rental, \$1,421 (1-year lease) or \$1,301 (TAP). Purchase price, \$44,166.

LARGE SYSTEM: Consists of 5320 Model C44 System Unit with 32K bytes of main storage, 13.7 megabytes of disk storage, diskette drive, 285-lpm line printer, keyboard, display, 129-2 data recorder, BSCA, and 3741-2 data station. Monthly rental, \$2,546 (1-year lease). Purchase price, \$73,056. ■

EQUIPMENT PRICES

BASIC SYSTEM

		Purchase Price	Monthly Maint.	Rental (1-year lease)*	Rental (TAP, 1st year)*
5320	System Unit (includes CPU, 16K bytes of main storage, fixed-disk storage unit, diskette drive, printer, keyboard, and display)				
Model A01	40 cps unidirectional printer, 3.2 MB disk storage	\$33,560	\$160.00	\$ 825	\$ 749
Model A02	40 cps unidirectional printer, 5.0 MB disk storage	34,160	160.00	908	825
Model A03	40 cps unidirectional printer, 9.1 MB disk storage	37,280	170.00	1,007	915
Model A04	40 cps unidirectional printer, 13.7 MB disk storage	39,280	180.00	1,073	975

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SOFTWARE PRICES

	<u>Initial Charge</u>	<u>Monthly License Charge</u>
INDUSTRY APPLICATION PROGRAMS		
System/32 Membership and Mailing List System	—	107
System/32 Construction Management Accounting System:		
Job Costing	—	33
Accounts Payable	—	42
Payroll	—	57
General Ledger	—	33
System/32 Hospital Financial Management System:		
Patient Billing	—	32
Accounts Receivable	—	27
Payroll	—	53
General Ledger/Accounts Payable	—	42
System/32 Manufacturing Management Accounting System:		
Product Definition & Costing	—	36
Inventory Management	—	36
Payroll	—	36
Production Status & Costing	—	36
Order Entry & Invoicing	—	43
Sales Analysis	—	36
Accounts Receivable	—	29
Accounts Payable	—	28
General Ledger	—	28
System/32 Distribution Financial Accounting System:		
General Ledger	—	28
Accounts Payable	—	28
Payroll	—	36
System/32 Client Accounting and Financial Reporting System	—	95
Medical Group Management System	—	90
System/32 Management System for Law Firms	—	183
System/32 Distributors Management Accounting System		
Billing	—	49
Inventory Control	—	48
Accounts Receivable	—	33
Sales Analysis	—	43
System/32 Lumber Dealers Management Accounting System		
Billing	—	49
Inventory Control	—	48
Accounts Receivable	—	33
Sales Analysis	—	43
System/32 Food Distributors Management Accounting System		
Billing	—	49
Inventory Control	—	43
Accounts Receivable	—	33
Sales Analysis	—	43
System/32 Student Administration System		
Student Records	—	65
Student Accounting	—	72
Student Scheduling	—	86
System/32 Motor Freight Accounting System		145
System/32 Financial Institutions Customer Accounting System		
Customer Information File	—	88
Demand Deposit Accounting	—	79
Savings Accounting	—	78
Installment Loan Accounting	—	90

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EQUIPMENT PRICES

		<u>Purchase Price</u>	<u>Monthly Maint.</u>	<u>Rental (1-year lease)*</u>	<u>Rental (TAP, 1st year)*</u>
MICR EQUIPMENT					
1255-1	MICR reader/sorter; 5 sort pockets, 1 reject stacker; 500 dpm	35,460	251.00	904	—
1255-2	MICR reader/sorter; 5 sort pockets, 1 reject stacker; 750 dpm	40,590	400.00	1,100	—
1255-3	MICR reader/sorter; 10 sort pockets, 2 select/reject stackers; 750 dpm	55,260	527.00	1,450	—
4380	51-column card sorting feature	661	—	16	—
4520	High-order zero & blank selection feature	1,315	500	33	—
6303	5320 attachment	5,335	4.00	135	—
7060	Self-checking number/improved recognition feature	2,135	2.50	54	—
TERMINALS					
3741-2	Data Station	5,655	54.00	244	208
3741-4	Programmable Work Station	7,680	70.00	364	310
1350	Application Control Language Translator for Model 4	1,090	10.50	47	40
1680	Expanded Communications feature (expanded buffer, transmit select fields and records, receive data and insert constants, and unattended print mode)	855	2.00	35	30
3200	Data Recorder Attachment feature	1,715	6.00	67	57
3892	Expansion feature for printer or disk	335	3.00	12	10
4002	Feature Group A; includes verify, production statistics, field totals, self-checking number, and disk initialization capability	503	1.00	19	16
4655	Keylock feature	36	—	—	—
4975	Additional 4K bytes of storage	439	5.00	23	19
5450	Operator ID Card Reader feature	468	3.00	19	16
5500	1200-bps Integrated Modem, non-switched	660	5.00	20	18
5501	1200-bps Integrated Modem, switched with auto answer	880	7.00	27	25
5901	Alphanumeric keyboard with numeric key arrangement similar to adding machine	132	0.50	5	4
6123	Record Insert feature	164	0.50	6	5
6677	Second Disk Drive	1,560	2.50	62	53
7705	Synchronous Clock feature	164	0.50	6	5
7850	Terminal Identification feature	335	0.50	12	10
8111	Matrix Printer Attachment feature	164	1.00	6	5
8121	Expansion feature for 3715 Printer or disk	855	6.50	35	30
8123	Expansion feature for 3717 Printer or disk	616	1.50	22	19
COMMUNICATIONS FEATURES					
2074	Binary synchronous communications adapter	7,660	63.00	344	313
3701	EIA interface	420	4.50	12	11
4703	Internal clock	816	1.00	31	29
5500	1200 bps integrated modem, non-switched	660	5.00	20	18
5501	1200 bps integrated modem, switched with auto answer	880	7.00	27	25
5600	2400 bps integrated modem, non-switched point-to-point	2,240	11.50	75	68
5602	2400 bps integrated modem, non-switched multipoint tributary	2,490	13.00	81	74
5610	2400 bps integrated modem, switched with auto answer	2,550	14.00	83	75
5733	Processing unit expansion (prerequisite for 5600, 5602, and 5610)	720	5.00	23	21
6301	Synchronous data link control (SDLC) communications	4,400	15.00	132	120
7951	Switched network backup	357	3.50	11	10
7952	Switched network backup with auto answer	535	5.00	17	15

* Rental prices include equipment maintenance.

**Single use charge.

SOFTWARE PRICES

	<u>Initial Charge</u>	<u>Monthly License Charge</u>
PROGRAM PRODUCTS		
System/32 RPG II	—	\$ 27
System/32 Utilities Program (Data File Utility, SORT, and Source Entry Utility)	—	15
IBM 5230 Data Collection System Support for System/32	\$500	26
Word Processor/32	—	125
System/32 FORTRAN IV	—	75
System/32 File Conversion Utility	—	40
System/32 Letter Writing Application	—	35
System/32 Shipping Control for Suppliers to the Automotive Industry	—	52
System/32 Release Control for Suppliers to the Automotive Industry	—	57
System/32 Job Analysis System	—	57
System/32 Subroutine Library—Mathematics	—	50
System/32 Statistical System	—	50
System/32 Basic Assembler Language and Macro Processor	—	75