

IBM 5110/20 RUN FASTER

NEW EQUIPMENT FOR IBM 5110 & 5120 USERS

September 1, 1982 - LARGE STORAGE, HIGH SPEED DISK. It is now possible to increase the speed and storage capabilities of all IBM 5110 and 5120 Computer Systems. The new disks are available in two models. The first is called the CORE 5115 which stores 10.6 MB of data on a removable cartridge. (That's 10 times the size of 1 floppy diskette.) The second hard disk which is known as the CORE 5116 can contain 42.4 MB of data on a fixed disk. The new hard disks allow IBM 5110/20 users to expand data storage space for Order Entry, Billing, Inventory, General Ledger and all other programs to more than 10 times present limits. Both new disks use B" Winchester Technology which provides increased data reliability, very fast data access and shared fixed/removable data storage. The average access time is 40 MS. Any combinations of disks, up to 4 drives can be attached to the computer which provides a storage range of 10 thru 170 MB. A fully configured 5110/20 can now support 4 floppy diskettes, printer and 4 hard drives. This compares to the normal IBM computer with 2 diskette drives which provide only 2.2 MB. Users who require many diskettes to store information will find these new hard disks capabilities very desirable.

CONNECT MULTIPLE COMPUTERS

Multiple 5110/5120's can now be attached and share files on any of the hard disks up to a system limit of 8 computers. In addition, new expansion cables are available to increase the distance between computers, disks and printers up to 30 feet.

NO PROGRAMMING CHANGES

Another very important feature of the new hard disk drives is the lack of program changes necessary for operation. All BASIC programs, sorts, procedure files and other system utilities are directly compatible with the new drives. Current programs only need to change the device codes. For example, "D80" to "D08" for the new hard disk. There is only one other requirement to use the new disks; a minimum 1.5 KB of main memory must be available for a special control program. However, many programs that lack the additional 1.5KB memory will actually shrink when using the new disks and still run without any program changes. Please contact CORE for information on how to calculate your main memory requirements or how to check your programs.

IMPROVED PERFORMANCE

Users of the new hard disks will see significant improvements in the running of reports, posting, inquiry, sorts and up-date programs. BASIC programs using the hard disk run an average of 25X faster. However, users who perform sorts will benefit the most. For example, if a sort takes 30 minutes on floppies, the same sort on the new disks would run in less than 5 minutes. That's right, a fantastic 85% savings over the present diskette system! In general, most computer users will save one full day's work each week just because of the hard disk drive with each operation running much faster including the printer.

INSTALLATION & MAINTENANCE SERVICE

The new disks are compact in size. They can sit next to the computer or under a desk and can be installed in seconds. Installation is very easy. Simply un-plug the printer or diskette unit and plug-in the new hard drive, then reattach the printer or diskette unit. No other changes are required. The new disks do not void IBM warranty or maintenance services. With each hard disk drive a letter from IBM is provided explaining that IBM has reviewed the equipment and found it does not void warranty or maintenance agreements. It should be noted that hard disk drives require very little maintenance support and are much more reliable than floppy diskettes. However, if required, 24 hour services are provided by CORE and local repair personnel. Today, nationwide, about 3,000 drives of this type are in use, without any service problems.

PRICED INEXPENSIVELY

Both new hard disks are priced less than comparable drives on other systems. Drives come packaged in a nice desk-top cabinet which houses the power supply, controllers, cables and either one or two hard disk drives. The CORE 5115 (10.6MB) is priced at \$6,995 for the first drive and \$4,295 for the second if both are ordered in the same cabinet. The 42.4 MB drive, called the CORE 5116 is priced at \$8,695 for the first and \$5,995 for the second, again if put in with another hard drive. The 10.6MB removal disk may be combined with the 42.4 fixed in the same cabinet which is called the CORE 5117 and sells for \$12,990. These new disks are priced less than IBM's hard drives for the System 23 Datamaster. IBM's 15MB fixed disk is \$8,500 with their 30MB unit costing \$10,500. IBM does not offer a removable hard disk for the Datamaster and if they did it would probably sell for at least \$10,000. Overall, the new hard disks for the 5110/20 computers are priced 20% less than IBM's comparable drives. Even more important than the initial purchase price is how much time, effort, and problems the new hard drives will save a company. When the hard disk lets computer programs run up to 85 percent faster, eliminate operators from changing diskettes, dramatically increase storage space and allow multiple users to share data, it doesn't take long to more than pay for itself.

HOW TO LOVE YOUR COMPUTER

Overall, when you consider the increased storage, the reduction in processing time, the lack of programming changes and the option to connect multiple computers, the new disks offer IBM 5110/20 owners the best method in solving computer problems. The new disks make the 5110/20's perform much better than the newer IBM DataMaster and more like the larger IBM System 34. Another important advantage of the new hard disk is its reduced costs. Savings in dollars for equipment, re-programming, re-training of office personnel, lost business due to installation problems and in general the aggravation of starting a whole new system. The new hard disk can make life alot easier. Plug it in, copy your programs and data to the new disk, change the device codes in programs and you are up and running within hours. The new disks were designed exclusively for members of CORE, soley to solve the processing problems of the IBM 5110 or 5120 Computer System as inexpensively as possible.

HOW SOON CAN I GET ONE ?

Delivery of both new disks are scheduled to begin October 15, 1982 and will be shipped in sequence according to receipt of order. Contact us to obtain current delivery dates.

DEALER PROGRAM

The new hard disks for the IBM 5110/20 Computer Systems are available at volume discounts to firms that remarket equipment, provide programming support and provide assistance in installation of this new equipment to unaffiliated end users. Interested firms and third party programmers should contact Hal Prewitt at (305) 276-3929 for additional information.

CORE MAINTENANCE PROGRAM

Our maintenance program featuring IBM service on 5110, 5120 and DataMaster computers at 20% less than IBM's comparable service contract has been a great success. Many of our members have switched to CORE's discount program and have already received sizeable savings. IBM still does the service work and provides the parts just the same as if under IBM's Maintenance Contract. CORE members under our program which have had service calls are reporting the same fast IBM response and are pleased with the service. Now is the time sign up and save 20% off the cost of each month's IBM maintenance invoices. Call us and get the details about this special membership service.

WHO IS CORE ?

Each week we receive many calls from new computer owners asking the function and services of CORE. We are the first, the largest and exclusively an IBM 5100, 5110, 5120 and System 23 Datamaster user's group. We are a national association of computer owners and operators. There are other groups which just sell programs and print newsletters, but we do much more. Our function is simple, we provide services to allow our members to make their computer more useful. We do this by offering major discounts on IBM computer supplies, develop low cost computer programs, provide newsletters and design new products to solve the computer problems of our members. CORE lowers the cost of computing. We offer a 20% discount on the IBM Maintenance Agreement, 20% and more off on IBM computer supplies and wholesale prices on many other items. These services alone save the average computer user over \$600 each year. Our new Hard Disk Drives are the result of over 5 years hard work. These revolutionary disks make the computer much more useful and solve most of it's processing problems. CORE designed, engineered, builds and supports all the new drives for the IBM 5110 and 5120 Computer Systems. No one else in the world has a hard disk drive for these machines. How come? Because IBM tried to design these computers so no one could improve their performance. When you run out of storage space because your business grew, they figure you would have more money to spend. IBM wants you to throw out the old machine and buy the new more expensive model. But, this time we beat them! If you attach the new hard disk, you basically have the new more expensive model and saved yourself \$30,000 not to mention alot of headaches. In the simplest of terms, the new hard disks are a dream come true of most IBM 5110/20 users.

Are you a current member of CORE? Do you buy your computer supplies from us? If not, join today! Our yearly membership fee is only \$25 to start taking advantage of our great benefits.

CORE

542 South East 5th Avenue
Delray Beach, Florida 33444

DIAMOND ABRASIVES CORP
2 WEST 46TH ST.
NEW YORK NY

10036

ID: 2560

CLUB RATE U.S. Postage PAID Delray Beach, Fl. Permit No. 29
