TEXAS INSTRUMENTS
BUSINESS SYSTEM 800 SERIES COMPUTERS

Our most powerful minicomputers.

MAINFRAME

If you have a small company or a large department, you may want one centralized computer system to handle a number of users, each working on different projects. This powerful system must be capable of delivering dependable performance, day in and day out, in a wide variety of high demand applications. The Texas Instruments Business System 800 Series was designed to meet these needs. In many applications, Business System 800 computers can handle 20 or more different jobs at speeds up to twice as fast as the mid-range members of TI's business computer family...with the same kind of quality and reliability you've come to expect from Texas Instruments products.

The Series 800 systems are minicomputers, yet they feature many capabilities normally found only in mainframe-class computers. A powerful central processor, extensive main memory, and a wide range of data storage capabilities make them the performance leaders of our compatible family of business computer systems. And the Series 800 systems can be upgraded easily, with minimal additional investment, so that your system can grow to support the expanding needs of your business.

The heart of our Business System 800 Series is the high-performance 990/12 16-bit minicomputer. The members of the Business System 800 Series are differentiated by the type and capacity of the disk data storage included. The wide range of disk system options allow you to tailor your Business System 800 to specific requirements. And a wide selection of terminals, printers, and other peripheral devices are available to provide additional versatility.

Though we're proud of our hardware, we haven't forgotten that the operating software on your computer system is the key to efficient operation, increased productivity, and effective cost control. TI offers two of the most sophisticated and versatile operating systems in the industry. And we back them up with a wide selection of industry-standard programming languages, a data base management system with a query language and data dictionary, word processing capabilities, and special utilities that improve programmer productivity.

System 861

A high-performance processor for high-speed data handling

All Business System 800 computers use the versatile 990/12 minicomputer—the highest performance member of the 990 family. The 990/12 offers 16-bit, memory-to-memory architecture and it addresses up to 2 megabytes of high-speed, error-correcting memory.

The high-performance of the 990/12 is achieved through features such as overlapped operations, faster integrated circuitry, a high-speed cache memory (to improve instruction execution and peripheral operation), and an improved memory cycle time. Additional enhancements include an enlarged instruction set and extensions in memory protection.

Different systems for varying data storage

You can select from six systems to match your data storage requirements:

System 861

The Business System 861 uses the CD1400/96 disk subsystem. A 13.5-megabyte removable cartridge plus a 67.3-megabyte fixed disk provides 80.8 megabytes of formatted data storage. This disk subsystem provides easy data backup by economically providing one fixed module and one removable cartridge in a single drive.

System 872

The Business System 872 uses a WD800 Winchester Disk subsystem. This Winchester subsystem provides 43.2 megabytes of formatted data storage. System back-up and file transfer capabilities are provided by an integral start/stop 14.5M-byte magnetic cartridge tape drive.

System 880

The Business System 880 uses dual DS80 disk drives for easy back-up and increased reliability. These moving-head units use five-platter, removable disk packs to provide a total formatted storage capacity of 125.4 megabytes.

POWER AT A MINICOM

System 882

The Business System 882 uses a single DS80 disk subsystem with a formatted storage capacity of 62.7 megabytes. Backup is provided by the MT1600 magnetic tape drive. The MT1600 features cost-effective archive storage and easy transportation of data from one system to another using industry-standard 1600-bpi magnetic tape.

System 884

The Business System 884 uses a disk subsystem with two DS300 disk drives. The configuration provides easy backup capability and extra reliability using two 12-platter removable disk packs. A total formatted data storage capacity of 476.6 megabytes is provided by this high performance mass storage subsystem.

System 886

The Business System 886 uses a disk subsystem with a single DS300 disk drive with a formatted storage capacity of 238.3 megabytes. Back-up is provided by the 1600-bpi MT1600 magnetic tape drive for easy transportation and cost-effective archiving.

Video display terminals

Each Business System 800 includes two Model 911 Video Display Terminals to provide convenient user interaction with the computer. These terminals feature high-resolution display screens, full upper- and lowercase ASCII character sets, separate cable-connected keyboards with 10-key numeric pads, and special function keys.

The Model 911 Video Display Terminal can be clustered at a remote site via the Remote Terminal Subsystem (RTS). By providing a transparent communication interface, RTS lets remote Model 911 terminals execute as if they were local terminals. The RTS synchronous, multidrop configuration capability provides reduced telephone line, modem, and communications hardware costs.

The Model 940 Video Display Terminal is available as an optional terminal and is particularly useful in applications requiring additional versatility. The Model 940 has a more extensive keyboard and an internal processor with memory.

System 884

Printers

Several printers are available for Business System 800 computers, including a letter-quality option. The OMNI 800* family of desktop, impact printers provides several low-cost, highly reliable models that offer high-quality printing at speeds ranging from 75 to 150 characters per second. All use sprocket-fed paper and can accommodate six-part multicopy forms. Printers are available in both receive-only and send-receive models.

Two line printers, using an advanced raster/dot matrix technology, are also available. They produce characters of superior print quality based on the full ASCII character set with a 132-column format. These printers are available in versions that print either 300 or 600 lines per minute.

Magnetic tape backup

Because many computer users need to transport data between systems, TI offers an industry-standard 1600-bpi magnetic tape drive. This drive can also provide cost-effective archiving capabilities by backing up user programs and data.

System software with the features you need

TI gives you a choice of features by offering two operating systems that are upwardly compatible—DX10 and DNOS.

DX10 is an advanced, user-friendly, multitasking operating system. Users interact with DX10 via the easy-to-use System Command Interpreter (SCI). The SCI is a collection of over 190 procedures that provide system functions varying from setting the time of day to compiling and executing programs to backing up disks. Multiterminal operation allows multiple users to operate concurrently, as if each user had exclusive control of the system.

*Trademark of Texas Instruments Incorporated

APUTER PRICE.

DX10 features a comprehensive set of utilities and program development tools as well as a full range of file management packages. Also available are a data dictionary, data base management system, query language, and word processing. DX10 supports program development and execution in the COBOL, BASIC, FORTRAN, RPG II, and Pascal programming languages.

The Distributed Network Operating System (DNOS) provides a planned progression from the DX10 Operating System as it is upwardly compatible and provides a firm foundation for distributed processing. Besides support for advanced communications capabilities, DNOS offers additional features such as increased device support, user-friendly messages, job accounting, a powerful output spooler, and interprocess communication. DNOS supports dynamic system configuration, system operator control, and multi-volume files for applications with data requirements beyond the capacity of one physical disk. DNOS provides maximum system flexibility and expandability.

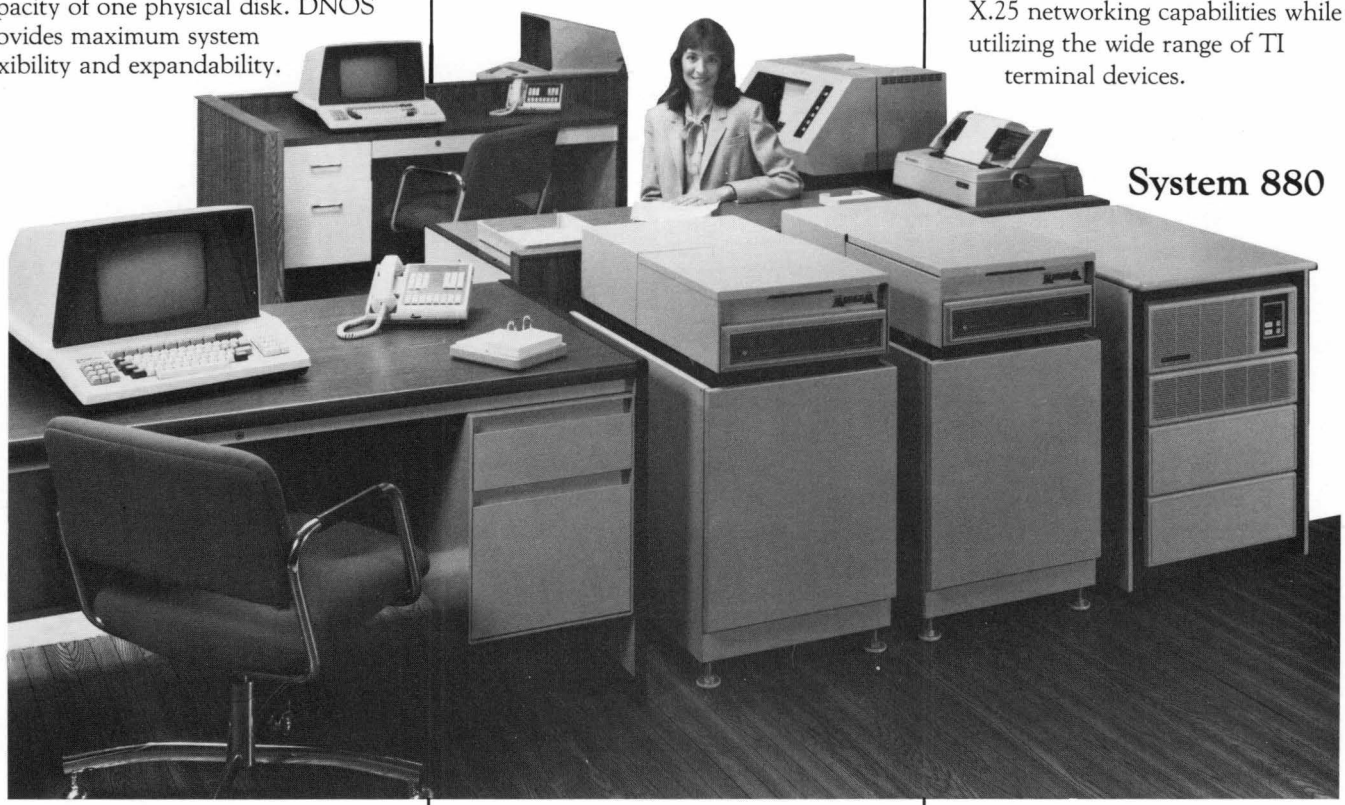
We make data communications easy

The Business System 800 Series supports some of the best interactive and batch communications software and hardware in the industry. Using industry-standard communication protocols, a Business System 800 insures that the data you need is where you want it, when you want it.

You can use our 3780/2780 communications software for remote job entry to a host computer and/or another TI Business System computer. Our 3780/2780 software emulates IBM 3780/2780 batch communications protocols, permitting your system to be used as a satellite or central station in a distributed network. With 3780/2780, your Business System 800 can work unattended at night, when telephone line rates are low, sending summary data to your mainframe computer for information distribution to other computer systems in your network.

Our 3270 Interactive Communications Software (ICS) provides you with remote interactive communications with IBM-compatible computers. ICS provides a convenient means to off-load mainframe computers and implement distributed processing. Existing host applications may be used without modifications, while new applications can be written to take advantage of the intelligence and flexibility of the Business System 800.

DNOS provides PU type 2 SNA support under its Distributed Network Communications System (DNCS). Under DNCS, a Business System 800 computer functions as a powerful, stand-alone computer for local applications, while concurrently operating as an integral part of an IBM network environment. DNCS, along with the appropriate communications interface software modules, provides both SNA and X.25 networking capabilities while utilizing the wide range of TI terminal devices.



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The Business System 800 manufactured by Texas Instruments for use in the United States conforms to the applicable FCC requirements.

Sales and service offices of Texas Instruments are located throughout the United States and in major countries overseas. Contact the Data Systems Group, Texas Instruments Incorporated, P.O. Box 202146, Dallas, Texas 75220, or call (512) 250-7305, for the location of the office nearest you.

Texas Instruments reserves the right to make changes at any time as required in supplying the best product possible.

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