

TEXAS INSTRUMENTS PROFESSIONAL COMPUTER

It makes you the one with the answers.



The easy way to make sound decisions.



Helping your company move ahead is your most important responsibility. And every decision you make is extremely important for it affects your company and *your* future.

Each day you are called upon to take charge of time, information and assets. How effectively you use these resources indicates your ability to manage today, and plan for tomorrow.

It's a challenge that calls for answers. The ability to explore alternatives. The search for new options. The facts that lead, inexorably, to sound decisions.

The Texas Instruments Professional Computer is uniquely able to supply those facts. To help you explore your options by arranging and rearranging the information you have on sales, operating costs, inventories and more. To help you manage time by analyzing and maximizing individual performance. To help you control assets so every dollar works harder and goes farther. Even prepare the reports that let you or your management know how well you've taken charge.

The managers with the answers today get to ask the questions tomorrow.

In the look-alike world of desktop computers, Texas Instruments has **THE ANSWER.**

It took Texas Instruments to combine, in one machine, all the features and functions you need to be truly effective.

For only TI combines internal diskette and Winchester disk drives, enhanced communications, improved expandability, an ergonomi-

cally precise keyboard, internal modems and high resolution displays in a single, planned system. Soon there'll also be voice command hardware, natural language operation and much more.

Function. Performance. Reliability. Price. This computer is **THE ANSWER** for professionals who plan for the future in the systems they purchase today.

Ease-of-use. A fact, not a promise.

Plug it in and it's ready to perform. Built-in diagnostics automatically confirm that everything is functioning properly.

A great team, because our clear, concise manuals guide you step-by-step, anticipating your questions, so you quickly become proficient and productive. And our user's guide explains computer operation in non-computer terms, so you can't go wrong. We feel that a short learning curve is **THE ANSWER** in professional computing.

A smart choice today, a wise investment tomorrow.

The Texas Instruments Professional Computer is your window to the world, for it puts an untold wealth of information at your command.

With it you can access your company's mainframe computers, as well as outside data bases to give you the vital information you need, right now.

But there's a larger dimension.

For a Texas Instruments Professional Computer is a key component in your electronic office of the future. Soon we will all be linked to automated information flow systems that will move data, not paper. The pace will quicken. And the decisions you make will be based on a much sharper focus of the facts.

That's when the real wisdom of your TI Professional Computer selection will appear. For its pre-planned expandability will allow you to easily adapt to these changed

conditions. No excuses. No blind alleys. This system is **THE ANSWER** for professionals who take charge of their futures.



The anatomy of the TI Professional Computer.

System Unit.

The compact cabinet houses the central processor, disk and diskette drives, power supply plus the optional circuit boards needed for your applications. Unlike other systems, everything is located in one place and option boards can be plugged in by the user. There are also additional slots for significant future expansion.

The system memory can be expanded from 64K to 256K bytes (in 64K increments) with the addition of a RAM expansion board. A built-in 320K byte diskette is standard, with room provided for an extra diskette or a 5 or 10 Mbyte Winchester disk drive, all user installable.

Communication options provide a variety of "protocols" needed for smooth interaction with other computers and data bases. The most popular ones will be available on the TI Professional Computer: TTY, 3780, 3270 SNA (stand alone) 3270 BSC and SNA (cluster) and 3101 emulation.

You can also have either a 300 or 300/1200 bps direct-connect modem to provide communications to other peripherals or data bases over ordinary telephone lines.

Keyboard.

This attractive, low-profile keyboard has the popular, 57-key typewriter layout plus separate 18-key numeric keypad, 5 cursor control keys and

12 special function keys. The total of 97 keys, all with improved key "feel," have been scientifically arranged for fast, easy operation. The keyboard has infinite height adjustment from 5 to 15 degrees slope, and connects to the system unit with a telephone-type coiled cord so you can position the keyboard for greatest comfort (even use it in your lap).

Upper- and lowercase characters are provided plus a choice of special characters for international use. In fact, the standard 256-character set can be expanded to 512 characters for scientific or special business use. And, for operator convenience, the keyboard has an uppercase indicator light.



A closer look at the components.



Display Units.

Choose the 12-inch mono-chrome or 13-inch full color display. Both give you extremely high resolution (best picture quality) and display information in a 25-line by 80-column format. Both can use the optional graphics capability and when an application requires, scrolling to simplify editing and reading. And, unlike other desktop computers, no reprogramming is required when changing from one display to the other.

Printers.

For clear, hard copies of data and graphics, TI offers the new 850 Series Printers (available Spring, 1983). These new 150-characters per second printers are the latest in a long heritage of reliable printers which began with the Model 810, the industry standard.



The better the software, the better the performance.

Software determines how productive your TI Professional Computer will be. In selecting your software, you need to understand the relationship between operating systems, their associated languages and application programs.

Operating systems are master programs that give your computer functional instructions. The most popular are the versatile MS™-DOS,

Digital Research's CP/M-86® and Concurrent CP/M-86™, and UCSD p-System™. These operating systems, in turn, use specific languages such as BASIC, Pascal, FORTRAN or COBOL.

Texas Instruments can use all of these popular operating systems, so your ability to operate is not limited.

Application programs tell your computer how to accomplish spe-

cific tasks. Payroll. Spreadsheets. Word processing. Information access, and more. Because you have such a large choice of operating systems, you will be able to use the full range of application programs available from Texas Instruments such as Multiplan™, EasyWriter™, EasySpeller™ and from the leading independent software firms.



Application software. The tools that make your Texas Instruments Professional Computer productive.

APPLICATION SOFTWARE including PUBLISHER or AUTHOR as of 2/1/83 (For current list contact your dealer or Texas Instruments.)	OPERATING SYSTEMS*			CONFIGURATION REQUIREMENTS
	MS™-DOS	CP/M-86™ & CCP/M-86™	UCSD p-System™	
Accounting				
Accounts Payable BPI	●			128K RAM
Accounts Payable IUS	●			64K RAM
Accounts Payable Peachtree	●	●		128K RAM
Accounts Receivable BPI	●			128K RAM
Accounts Receivable IUS	●			64K RAM
Accounts Receivable Peachtree	●	●		128K RAM
General Ledger BPI	●			128K RAM
General Ledger Peachtree	●	●		128K RAM
General Ledger and Financial Reporter IUS	●			64K RAM
Inventory Control BPI	●			128K RAM
Inventory Control Peachtree	●	●		128K RAM
Inventory Control and Analysis IUS	●			64K RAM
Order Entry IUS	●			64K RAM
Payroll IUS	●			64K RAM
PeachPay Peachtree	●	●		128K RAM
Sales Invoicing Peachtree	●	●		128K RAM
Communications				
ASCOM86 Lifeboat	●	●		Sync/Async, 64K RAM
3780 Communications Texas Instruments	●			Sync/Async, 128K RAM
TTY Communications Texas Instruments	●			Sync/Async, 128K RAM
Data-Base/File Management				
Access Manager Digital Research		●		64K RAM
DataStar MicroPro	●	●		128K RAM
dBase II Ashton-Tate	●	●		128K RAM
Display Manager Digital Research		●		64K RAM
EasyFiler IUS	●			64K RAM
Formula Lifeboat	●			64K RAM
InfoStar MicroPro	●	●		128K RAM
PFS:File Software Publishing	●			64K RAM
PFS:Report Software Publishing	●			64K RAM
SuperData Sorcim	●	●		64K RAM
SuperSort MicroPro	●	●		128K RAM
Financial Modeling and Planning				
Bottom Line Strategist Ashton-Tate	●	●		64K RAM
CalcStar MicroPro	●	●		192K RAM
EasyPlanner IUS	●			128K RAM
Multiplan Microsoft	●			64K RAM
PeachCalc Peachtree	●	●		128K RAM
SuperCalc Sorcim	●	●		64K RAM
SuperCalc ² Sorcim	●	●		64K RAM
The Financial Planner Ashton-Tate	●	●		64K RAM

APPLICATION SOFTWARE including PUBLISHER or AUTHOR as of 2/1/83 (For current list contact your dealer or Texas Instruments.)	OPERATING SYSTEMS*			CONFIGURATION REQUIREMENTS
	MS™-DOS	CP/M-86™ & CCP/M-86™	UCSD p-System™	
Graphics				
Business Graphics System Peachtree	●	●		128K RAM
MS-BASIC Extensions Microsoft	●			128K RAM
Peachtree Graphics Language Peachtree	●	●		128K RAM
PFS:Graph Software Publishing	●			64K RAM
SuperChart Sorcim	●	●		64K RAM
TURTLEGRAPHICS SofTech			●	64K RAM
Word Processing				
EasySpeller 1.1 IUS	●			64K RAM
EasySpeller II IUS	●			128K RAM
EasySpeller Legal 1.1 IUS	●			64K RAM
EasySpeller Legal II IUS	●			128K RAM
EasySpeller Medical 1.1 IUS	●			64K RAM
EasySpeller Medical II IUS	●			128K RAM
EasyWriter 1.1 IUS	●			64K RAM
EasyWriter II IUS	●			64K RAM
MailMerge MicroPro	●	●		128K RAM
MicroSpell Lifeboat	●	●		64K RAM
PMATE-86 Lifeboat	●	●		64K RAM
SpellStar MicroPro	●	●		128K RAM
Other Useful Software				
Emulator/86 Lifeboat	●			64K RAM
EM80/86 Lifeboat	●			64K RAM
FABS Lifeboat	●			64K RAM
PANEL-86 Lifeboat	●			64K RAM
UT86 Lifeboat	●			64K RAM
Software Related Hardware Options				
Baby Tex (Z80 board)† Xedex	●			64K RAM

For descriptions of the operating systems, languages and application programs, see the Texas Instruments Professional Computer Software Catalog at your local TI Authorized Dealer.

*You must select the version of the application program that corresponds to the operating system you are using.
†CPM/80 operating system compatible software can be used with installation of the Z80 board.
MS-DOS is a trademark of Microsoft Corporation. UCSD p-System is a trademark of the Regents of the University of California.
Digital Research CPM-86 and Digital Research Concurrent CPM-86 are trademarks of Digital Research Inc.



The complete picture for the professional.



Total support is part of THE ANSWER.

TI has brought to bear all of the standards which have made it a leader in terminals, printers, calculators, and computer systems to the design of the Texas Instruments Professional Computer. You can rely upon the excellence in electronics which TI builds into every product. But, should a problem ever arise, it's comforting to know that the service and support of your TI authorized dealer and the extensive field service network of Texas Instruments are backing up the TI Professional Computer.

Service options available include on-site service, ideal for the customer with a critical need for

optimal use of his equipment; carry-in service; and, a support program providing spare parts and fixed price repair service for the self-servicing customer.

THE ANSWER makes you the one with the answers.

When you examine all the problem-solving power of a TI Professional Computer you'll agree that it is THE ANSWER. Keeping on top of your business has never been easier. Managing time, information and assets effectively helps you make better decisions. Communicate with more impact. And give your personal productivity a big boost.

The best way to get started is to

see what the Texas Instruments Professional Computer can actually do for you. Your local dealer is ready to demonstrate. For name and location call 1-800-527-3500 toll-free. Call today, and you can be the person with the answers tomorrow.

A word to system professionals.

The Texas Instruments Professional Computer has been designed with the MIS manager and sophisticated user in mind. This user-friendly system will let you provide computing capabilities that are easy for your users to master and also integrate well with your existing mainframes.

Because the Texas Instruments Professional Computer is extraordi-

narily flexible and easily expandable, it also makes an ideal system for vertically specialized uses.

This flexibility works to your advantage, because it is difficult to predict future needs and trends with total accuracy. A stand-alone computer may be drafted, overnight, into a network. With the Texas Instruments Professional Computer, changes in language or protocol can be implemented without costly, time-consuming modification of hardware. And when new data bases appear, you can readily tap their resources.

A quick guide to the Texas Instruments Professional Computer SYSTEM UNIT

- Powerful 16-bit 8088 microprocessor.
- 64K byte Random Access Memory (RAM) standard, optionally expandable to 256K in 64K increments with the RAM expansion board.
- 320K byte built-in diskette drive standard. Optional additional 320K diskette drive or 5 or 10 Mbyte Winchester disk drive can be added internally.
- 8K byte system Read Only Memory (ROM), expandable to 16K.
- Diskette controller.
- Five slot expansion bus.
- Keyboard interface.
- Parallel printer port.
- Monochrome/color CRT controller with 4K bytes of video display memory (occupies one of the expansion slots).
- Power supply.
- Speaker.

KEYBOARD

- Attractively styled, low-profile keyboard with coiled cord for ease of use.
- Infinite height adjustment from 5 to 15 degrees slope.
- Popular typewriter layout.

- 97 keys, ergonomically grouped by function including separate numeric keypad, cursor control cluster and 12 special function keys.
- Keys have optimum tactile response for positive entry.
- Standard 256-character set is expandable to 512 characters for special business and scientific uses.
- Uppercase indicator light.

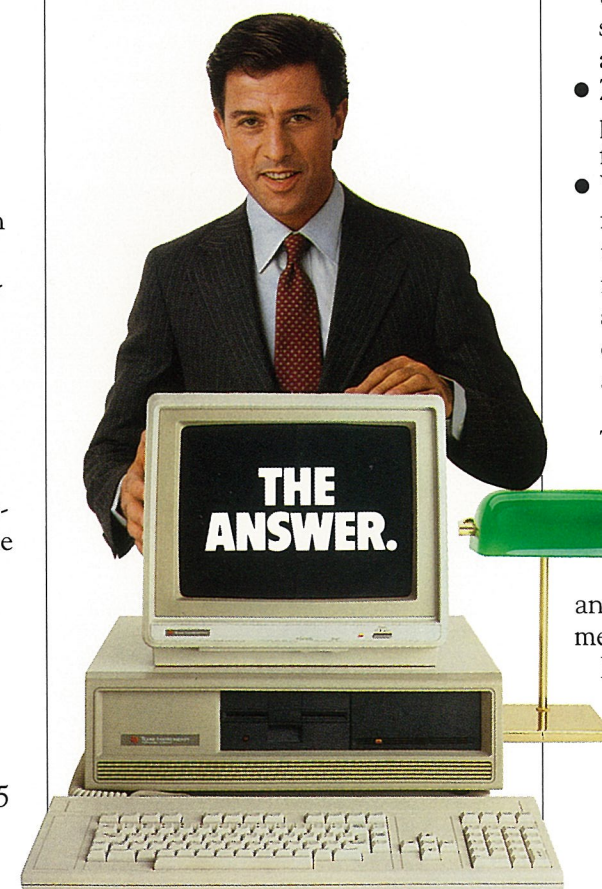
DISPLAY UNIT

- High resolution (720 x 300 pixels) for greater clarity.
- 12-inch green phosphor monochrome and 13-inch color.
- 25-line by 80-column format.
- Operator controls for brightness and contrast provide adjustment for maximum readability.
- Character line scrolling.

OTHER OPTIONS

- Synchronous/asynchronous communications options — a board with an EIA RS-232C port for communicating with external devices.
- Internal modems — choice of direct-connect 300 bps or 300/1200 bps modems providing answer/originate full-duplex capabilities with pulse and tone auto-dial for communicating with other data bases or peripherals via phone lines.
- Graphics capability for high resolution output. Two versions are available: a single plane board (monochrome or two colors) or a three plane board (8 shades or 8 colors).
- Clock and analog interface — this option adds a crystal controlled time base, on-board battery backup, automatic power-off sensing and the capability to accept analog signal input.
- Z80 board option — for use with popular 8-bit programs (available from independent manufacturer).
- Voice recognition and synthesis, natural language query with a true relational data base and much more will become available shortly to expand the versatility of your Texas Instruments Professional Computer.

Texas Instruments has THE ANSWER in desktop professional computing. See your local dealer or call 1-800-527-3500 for name and location. Or, write Texas Instruments, P.O. Box 402430, Dept. 1-C, Dallas, Texas 75240.



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