SERIES 700
DISTRIBUTED PROCESSING SYSTEMS

Model 774 Intelligent Terminal System from Texas Instruments.

A new Series 700 family member

The Model 774, powerful intelligent terminal systems.

Your wide-ranging business operations demand big distributed processing capabilities.

Like source data entry. Local file inquiry/response. Communication of data and administrative messages. Local printing and data preprocessing.

At TI, we've expanded our Series 700 family of intelligent terminals to handle all these information-processing needs efficiently and economically. With the flexibility only a family of products can offer.

The latest in Series 700, the Model 774 Intelligent Terminal System can manage multiple distributed

The 774 can improve inventory control...

processing applications at one or more locations.

The Model 774 System gives you the power of an on-site computer

system with the operating ease of an intelligent terminal.

And because the Model 774 System is a member of the upward-compatible Series 700 family, you benefit from little or no reprogramming or retraining requirements when you upgrade your system.

All the family you need.

Everything you need to streamline your distributed processing network is included in the Series 700 family.

With the Model 774 System your video display terminals can share a common data base and provide a very efficient work station for the remote-office employee. For operator comfort and efficiency, the typewriter-style keyboard is separate from the terminal.

Floppy and/or hard disk drives provide economical, easily accessed storage of data and applications programs.

You can use character and/or line impact printers for printing business forms and reports.

Communication capabilities provide for efficient and economical transmission of data, messages, reports or applications programs within your business network.

The family that's there where you need it.

Place the responsibility for data entry where it belongs...at the source.

The Model 774 Intelligent Terminal System will take it from there.

First, the data is checked and validated as your operator enters it. When it's easier to correct.

Then, it is preprocessed locally on the system's controller, and prepared for transmission to your host.

This removes a substantial burden from your host, reduces your

for your growing busines

communications and mainframe computing costs, improves overall operation, and, most of all, improves productivity.

Local storage allows you to batch data when you don't need to be on-line. The data can then be transmitted over the normal switched network, using direct distance dialing when rates are lower. You can even provide for data communications after hours with unattended operation.

Family members that understand each other.

All members of the Series 700 family speak the same language. TPL 700.

With TPL 700, the Model 774 System terminals are easy to program and operate with minimal operator training.

A high-level, versatile, business-oriented language, TPL 700 consists of two parts—Forms and Procedures. Specifically developed for video display-oriented data entry and local terminal processing, TPL 700 programs can be developed interactively on 774 system terminals.

TPL FORMS—TPL 700 requires minimal programming experience. Screen formats for data entry are easy to generate by means of TPL 700 Forms, which employs an operator-oriented "menu" concept for program development, and allows more editing and computation than any similar package available today. Key features from the "menu" include character and field validation using fixed or user-defined range sets, table lookup, substitution and cross-field validation, as well as business arithmetic operations, conditional branching and support for multipage forms.

...can speed up insurance claims

TPL PROCEDURES—For more complex data entry and local processing, TPL Procedures is provided. A block-structured programming language, TPL Procedures features logical input/output capability, data entry-video display control, character validation, character string manipulation, full arithmetic expressions and program loop structures. Screen formats developed using TPL 700 Forms may invoke Procedures modules when more complex field validation is required. Screen formats are also callable by Procedures modules.

TPL 700 Forms and Procedures provide you with maximum flexibility and power for solving modern-day business problems.

Forms and Procedures reduce the programming skill-level required

and shorten the length of time needed to develop applications.

TPL programs and system utilities run under a memory-resident, multitasking executive that provides for operator communications, basic file management, task scheduling and device input/output.

Family connections.

All members of the Model 774 System family connect with a host or each other for data transmission.

The 774 may act as a remote terminal to a host computer, or as a host to other remote systems in the Series 700 family.

A 3780 emulation package allows direct communications with an IBM host, using EBCDIC code and the Binary Synchronous Communications protocol. The 774 also

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s network.

supports TTY protocol.

A variety of industry-compatible hardware communications kits are available with the 774, which supports two communications ports.

Family planning.
The 774 Intelligent Terminal is a totally versatile system. So you can satisfy your needs today, while planning for tomorrow.

When your needs increase you can expand to as many as eight video display units, four floppy disk drives, two hard disk drives, four character printers or two line printers, and two communications ports. Memory and models are upgradable, so you pay only for what you need at the moment.

A good-looking family.
The 774 Intelligent Terminal System provides attractive, color-coordinated work stations that are pleasing to work with and fit into any office.

Office decor is further enhanced by the layout flexibility inherent in 774's modular design.

We support our family.
Producing a superior family of products is only half the TI story.

We back our family with the support that you expect from a leader in the industry. Texas Instruments, with the expertise gained in consumer-oriented and distributed processing products, has the resources to provide comprehensive worldwide sales, service and support.

TI-CARE*, an automated, service dispatching and field service management information system, backs our nationwide service network. Customer engineers for on-site service needs are available, along with flexible maintenance plans designed to solve the problems of modern business. Customer training programs are regularly scheduled in our modern training centers. Our total commitment to customer support and training insures optimum sys-

...can handle financial transactions.

tem performance and complete customer satisfaction.

For information on the 774 Intelligent Terminal System or other members of the Series 700 family, call your nearest TI sales office, or contact Texas Instruments Incorporated, Digital Systems Division, P.O. Box 1444, M/S 784, Houston, Texas 77001. Or call Distributed Processing Systems Marketing at (512) 258-7176.
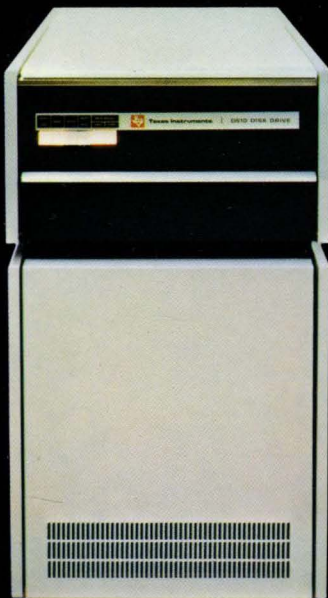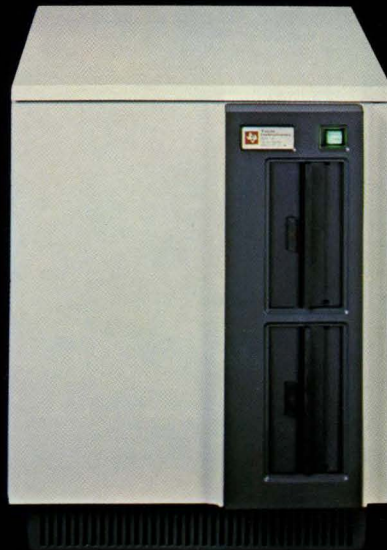
Model 911 Video Display Terminals, and Keyboards.

Model 810 Impact Printers.

Model DS10 Disk Drive.

The Model 774 System Controller with Dual Floppy-Disk Drives.

Model 2230 Line Printer.

Model 774 Intelligent Terminal System

The Model 774 Intelligent Terminal System is the newest member of the Series 700, TI's growing family of distributed processing products.

The 774 follows the Model 770, a completely packaged intelligent terminal system. All family members speak the same high-level language.

Model 770 Intelligent Terminal.

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