3770

Data Communication System

New Models and Programme Enhancements

The following models have been announced as extensions/enhancements of the 3770 Data Communication System.

3771 Communication terminal Model 3
3773 Communication terminal Model 3
3774 Communication terminal Model 2
3776 Communication terminal Model 1 and 2
3773 Programmable Communication Terminal Models P1, P2, P3
3774 Programmable Communication Terminals Models P1, P2
3775 Programmable Communication Terminal Model P1.

These machines are similar in appearnce to those in the initial announce brochure.

Terminal Descriptions
3771 Model 3

The Model 3 has a 120 character per second (c.p.s.) bi - directional wire matrix printer. It has the same function as the Model 1 and Model 2 with the exception of the faster print speed. The same programming support will be used for the Model 3 as for Models 1 and 2.

3773 Model 3

This model has the same function as the 3773 Models 1 and 2 with the exception of the printer, which prints at 120 c.p.s.

3774 Model 2

This has the same function as the 3774 Model 1, with the exception of the printer, which prints at 120 c.p.s.

3776 Model 1

The 3776 Model 1 is intended for use in a batch environment where multimedia I/O is needed either in an offline data entry or online RJE mode of operation. The terminal is job-oriented (i.e. source-device to sink-device). Printing is done by a 230 lpm line printer.

The operator can choose parameters via switches and the keyboard console, thereby specifying the input and output device.

Batch storage is made available in two increments of 242k bytes each on diskettes. Additional I/O can be optionally attached, and dual buffering in 256 and 512 byte buffers is available.

3776 Model 2

The functions and options of the 3776 Model 2 are identical to the 3776 Model 1, with the exception of the line printer, which is 360 lpm.

Programmable Models
New programmable models of the IBM 3770 data communication system allow user written programmes to control machine functions.

Programmable Models 3773-P1, P2, P3; 3774-P1, P2; and 3775-P1 facilitate off-line application for:

- Source Recording/Data Entry
- Document Preparation
- Batch Processing

3770 Control Programmes provide for diskette-to-line and line-to-diskette operations on terminals equipped with communications. The 3774 or 3775 can automatically interrupt an off-line programme to receive an unsolicited CPU message. The message is stored on diskette storage and the off-line programme is resumed.

The programmable models have the same respective printer speeds as the non-programmable models. The same I/O devices are supported with the exception that the 3774 programmable, does not have 3784 attach feature.

Programmable models of 3773, 3774 and 3775 have 6k (6144 bytes) of user programme storage.

Feature Higblights

- Numeric Keypad this provides a keypad in the adding machine format to facilitate rapid entry of numeric data for all programmable models of 3773, 3774 and 3775.

- Storage increment, 4k (4096 bytes) 3773-P1,P3,: 3774-P1, P2,: 3775-P1

- Storage increment, 8k (8192 bytes) 3774-P1, P2,: 3775-P1.

- Storage increment, 12k (12228 bytes) 3774-P1, P2: 3775-P1.

- Storage increment, 16k (16.384 bytes) 3774-P1, P2: 3775-P1 Maximum user programme storage is 22k (22528 bytes).

- 480 char. display (12 lines, 40 chars per line) 3774-P1, P2: 3775-P1.

- 4800 BPS Integrated Modem Pt-Pt/Mltpt 3776-002 only.

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Application programmes are written for programmable models of 3773, 3774 and 3775 Communication Terminals by using the subset 3790 programming statements. In addition, some new statements for use with 3774 and 3775 provide for programming card I/O operations, diskette storage operations, storage to storage and immediate data to storage operations.

The application programmes are coded for 3773, 3774 and 3775 Communication terminal in 3790 language and translated in a system 370 by 3790 macros and System/370 Assembler into object code.

This object code can be transmitted by the CPU user programme to the 3773, 4 and 5 diskette. This can then be executed from the 3773, 3774 and 3775.

The 3770 Control Programme interprets and executes this object codes. The programme can either be selected and initiated by the operator at the 3790 or by a special control command sent from the host CPU.

An initiated programme can also call another programme from the diskette without intervention by the operator or host CPU.

CE Career Path

The 3770 Data Communication System is a "Data Recording" CE career path product.