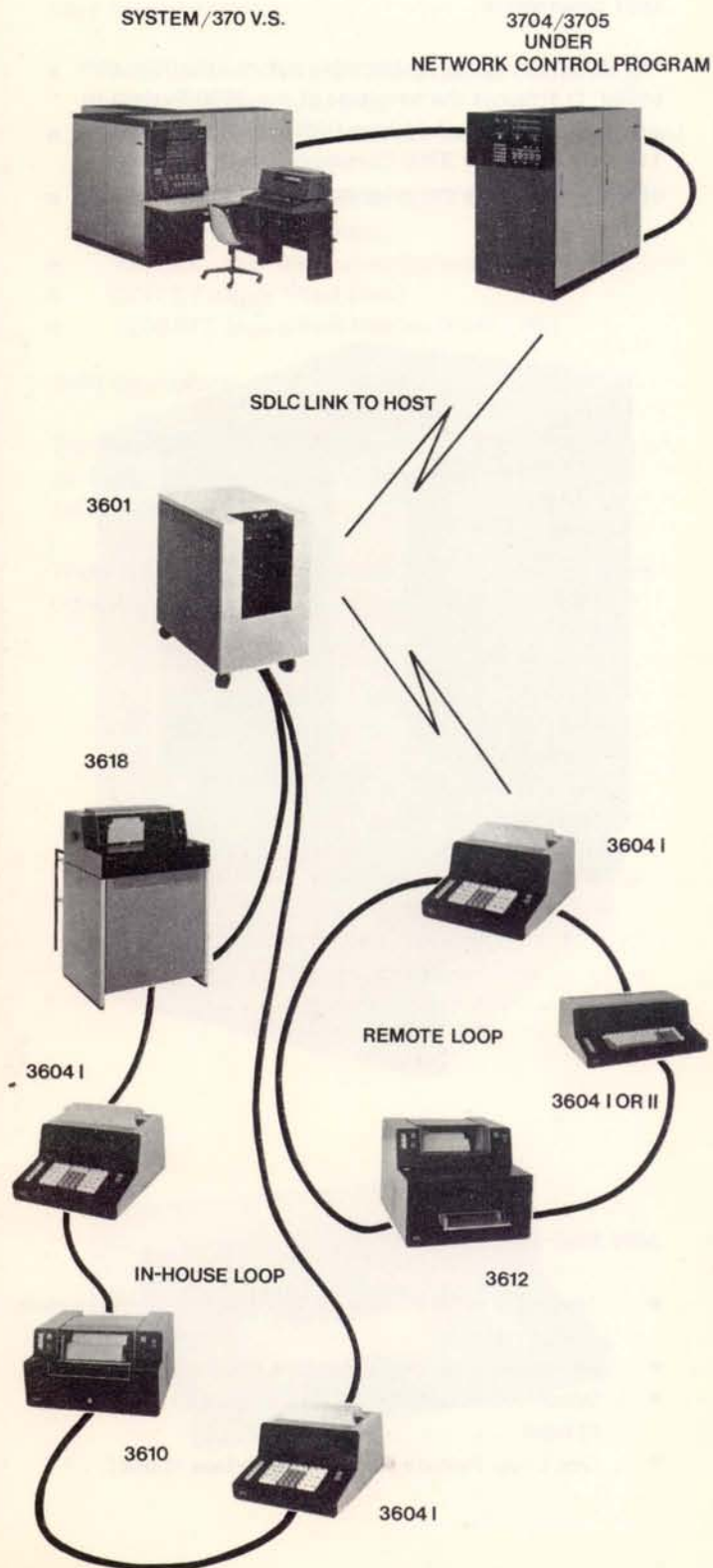# 3600

Finance Communication System

IBM

IBM 3600 FINANCE COMMUNICATION SYSTEM

The IBM 3600 Finance Communication System is a family of products designed to provide the Finance Industry with remote on-line teller station operation.
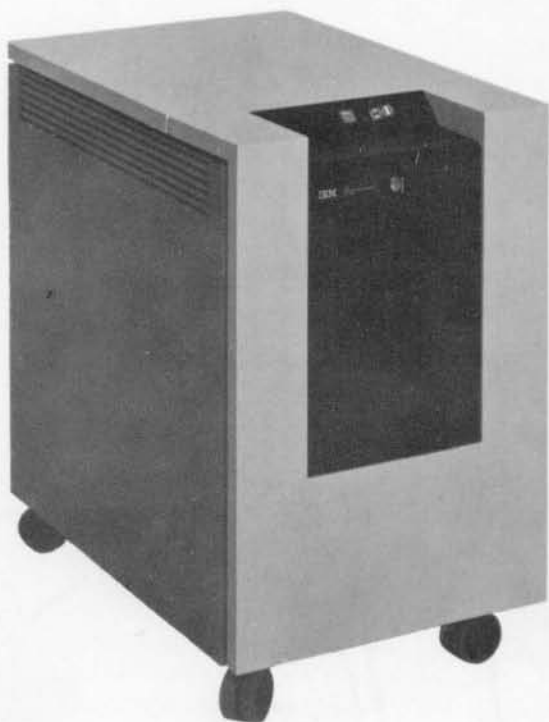
The IBM 3600 System consists of the following machines:

- IBM 3601 Finance Communication Controller
- IBM 3604 Keyboard Display
- IBM 3610 Document Printer
- IBM 3612 Passbook and Document Printer
- IBM 3618 Administrative Line Printer

Multiple terminals can be controlled by a 3601. Terminal connection is by a local, two-wire, closed loop; or remotely via a teleprocessing link to the 3604 Model II. The Loop operation uses Time Division Multiplex (TDM) method of transmission.

SYSTEM/370 V.S.

3704/3705 UNDER NETWORK CONTROL PROGRAM

SDLC LINK TO HOST

3601

3618

3604 I

3604 I

REMOTE LOOP

3604 I OR II

IN-HOUSE LOOP

3612

3610

3604 I

3601 Description

The IBM 3601 is a programmable communications controller. It attaches the terminals of the 3600 System to a System/370 Virtual Storage (VS) (except the Model 115), via a 3704 or 3705 Communications Controller under network control program.

3601 Basic Features

- Up to 4K bytes of monolithic customer usable random access memory.
- Integrated Disk Unit using IBM diskettes.
- Synchronous Data Link Control (SDLC) interface to host.
- One Loop Feature for device interface (Local).

3601 Special Features

- Additional monolithic random access memory (up to two increments of 8K).
- Additional Loop Features (5 maximum -- either Local or Remote).
- 600/1200 Bits Per Second (BPS) Loop Intergrated Modems (Remote Loops).
- Keylock - to prevent unauthorized access to Disk Unit.
- CCITT Feature (Host Link)
- 1200 BPS Intergrated Modem (Host Link)

3604 Description

The IBM 3604 is a keyboard display unit using an electronic keyboard. The 240 character display utilizes Gas Panel technology.

There are two models, the Model II having teleprocessing capabilities for attachment of Remote Loops.

3604 Basic Features

Models I and II:

- 240 Character Display (7 x 9 Dot Character Display)
- Loop Attachment
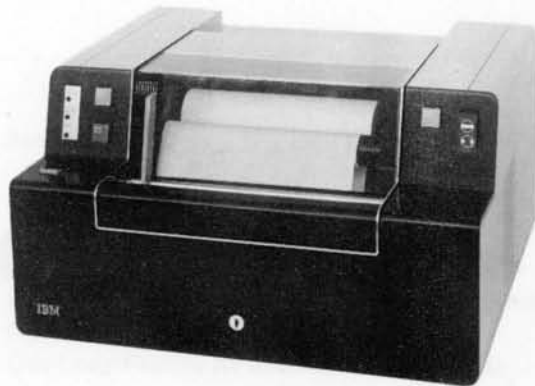
3604 Special Features

Models I and II:

- Numeric or Data Entry Keyboards
- Magnetic Stripe Reader
- Magnetic Stripe/Encoder/Reader

Model II only:

- Alphanumeric Keyboards
- 600/1200 BPS Intergrated Modem

3610 Description

The IBM 3610 is a document, journal, and continuous forms printer operating at speeds from 15 characters per second (CPS) to 30 CPS to provide hard-copy output of financial transactions. It is available in five models, each having different paper handling capabilities. This printer utilizes a Rotating Disk Print mechanism.

3610 Basic Features

Model I:

- Document Handling Device - allows printing of multiple lines on cut forms inserted in the document chute.
- 10 characters/inch printing.
- 8 inch print line
- Loop Attachment
- 5 or 6 Lines/Inch (specify)

Model II:

- Same as Model I
- Journal Printing

Model III:

- Same as Model I
- Continuous forms printing
- Unattended operation

Model XII

- Same as Model II
- 128 character set at up to 22.5 CPS

Model XIII

- Same as Model III
- 128 character set at up to 22.5 CPS

3610 Special Features

Models I, II, III, XII and XIII:

- Shared terminal for two teller operation.

Models I, II, and III:

- 64 character set @ 15 CPS
- 96 character set @ up to 30 CPS

Model II only:

- Journal take-up with locked cover.

3612 Description

The IBM 3612 is a document, journal, continuous forms, and passbook printing unit (15 CPS to 30 CPS), consisting of two separate printers - one for document and journal printing, the other for passbook printing. The 3612 is available in five models; the document/journal printer being similar to the 3610 with the same model confiuration.

These printers utilize a rotating disk print mechanism.

3612 Basic Features

Models I, II, III, XII and XIII:

Same as the corresponding 3610 Models I, II, III, XII or XIII, plus the following Passbook Printer features:

- 12 characters per inch
- 8.3 inch print line
- 5 or 6 lines per inch (specify)

3612 Special Features

Models I, II, III, XII and XIII:

Same as 3610, plus the following Passbook Printer Special feature:

- 64 or 96 character set (Models I, II and III)
- 128 character set (Models XII and XIII

3618 Description

The IBM 3618 is a medium speed line printer, operating at up to 155 lines per minute, intended for administrative purposes.

3618 Basic Features

- 80 print positions (8 inch print line)
- Loop attachment
- 48, 64, 96 or 128 character set (specify)

3618 Special Features

- 132 print positions
- Dual independent forms feed

System Maintainability

The 3600 System incorporates the latest service techniques and an integrated maintenance approach. Serviceability features and documentation, in conjunction with spare field replaceable units (FRU), have been designed to complement each other in effecting rapid fault isolation and repair.

Serviceability Features include:

- Rapid removal, replacement and adjustment of all FRU.
- Large Scale Integration (LSI) functionally packaged for minimum FRU.
- Integrated Maintenance Manual provides a complete Maintenance Library.
- Problem Determination Guide (PDG) which will assist the customer in identifying the failing unit, within the system.
- Maintenance Analysis Procedure (MAP) charts.
- Resident Unit Exercisers
- Automatic checkout routines verify controller operation at each Initial Program Load (IPL).
- Error Recording
- Error messages displayed on the 3604.
- Communications and Loop Adapter Wrap Tests.
- No scheduled PM

System Reliability

- Soft error recovery on Input/Output (I/O) operations.
- Error checking on I/O operations
- Electronic Keyboard

System Technology

- Field Effect Transistor (FET)
- Transistor to Transistor Logic (TTL)
- Gas Panel Display
- Rotating Disk Printers (3610, 3612)
- Belt Printer (3618)
- Electronic Capacitive Coupled Keyboard

CE Career Path

The 3600 System is serviced by "Data Recording" Career Path Customer Engineers.