



**3270**

**Personal  
Computer**



*Photograph is a Design Model*

## PRODUCT DESCRIPTION

The IBM 3270 Personal Computer (3270-PC) is a new member of the IBM 3270 Information Display System family of products. The 3270-PC which is based upon the IBM Personal Computer XT is an intelligent workstation which attaches and communicates with a Host System via either an IBM 3274 (with type A adapter) or an IBM 3276 Controller.

The 3270-PC consists of three workstation elements (WSE's), a 5271 System Unit, a 5272 Colour Display and a 5271 "converged" Keyboard. The 5271 "Converged Keyboard" is a 122 key, F technology keyboard which combines the 3278 and Personal Computer functions.

The 3270-PC can operate in three distinct modes including two which are Main-Frame Interactive (MFI), the three modes are:

### DISTRIBUTED FUNCTION MODE

One to four sessions (or LU's) emulating any model of a 3178, 3278 except (models 1 and 2A) or 3279 (except model 2C) via a 3274 Controller with microcode configuration support T or D.

### CONTROL UNIT TERMINAL MODE

One session (or LU) emulating a 3178, 3278 model 2 or 3279 model S2A via any model of a 3274, 3276 or 4300.

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## Service Information

3270-PC maintenance is accomplished through the use of:

- Problem Determination Procedures (PDP's) which assist the user in defining the failing WSE.
- Internal and external diagnostics comprising:
  - Power-on Self Test (POST)
  - External diagnostics (resident on diskette)
- Maintenance Information Manual (MIM) containing:
  - Problem Isolation Charts (PICS)
  - Removal/replacement procedures
  - Adjustments
  - Parts catalogue
- Field Replaceable Units (FRU's)
- Retain

## Training Plan

CE training for the 3270-PC will be a FIS course released by ECPOC Sudbury.

## Installation

The 3270-PC is a Customer Set Up (CSU) product.

## Manufacturing Locations

- Greenock for EMEA
- Boca Raton for US and A/FE

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## PERSONAL COMPUTER MODE

One IBM PC DOS 2.0 session.

The 3270-PC is data stream compatible (single partition) with all displays of the IBM 3270 Information Display System in alphanumeric application environments. No programming changes are required of current host alphanumeric applications if the hardware features used on the 3270 are available on the 3270-PC. Both base 3270 and 3270 extended data streams are supported in Distributed Function Mode.

The following 3270 features are not supported by the 3270-PC:

- Magnetic Slot Reader.
- Magnetic Hand Scanner.
- Selector Light Pen.
- Security Keylock.
- Binary Synchronous Copy Command.
- 3274 Entry Assist Feature.
- APL Character Set.

### Models

There will be three models of the IBM 3270-PC, they are:

- Model 2, consisting of:
  - 5271 System Unit Model 2 containing:
    - 320K of RAM
    - Display Adapter Card
    - 320KB Diskette Drive and Adapter Card
    - 5271 Converged Keyboard Adapter Card
    - 5152 Printer Adapter Card
    - TCA Adapter Card
  - 5271 "Converged" Keyboard
  - 5272 Colour Display
- Model 4, consisting of:
  - 5271 System Unit Model 4 containing:
    - 320K of RAM
    - Display Adapter Card
    - 2 x 320KB Diskette Drives and Adapter Card
    - 5271 Converged Keyboard Adapter Card
    - 5152 Printer Adapter Card
    - TCA Adapter Card
  - 5271 "Converged" Keyboard
  - 5272 Colour Display

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- Model 6, consisting of:
  - 5271 System Unit Model 6 containing:
    - 320K of RAM
    - Display Adapter Card
    - 320KB Diskette Drive and Adapter Card
    - 10MB Fixed Disk and Adapter Card
    - 5271 Converged Keyboard Adapter Card
    - 5152 Printer Adapter Card
    - TCA Adapter Card
  - 5271 "Converged" Keyboard
  - 5272 Colour Display

### Features

The following features are offered with the 3270-PC:

- Memory Expansion (up to 640K).
- Asynchronous Communication Adapter.
- Programmed Symbols Adapter.
- All Points Addressable (APA) Graphics Adapter.

In addition, other IBM Personal Computer XT features may be usable, but need to be tested by the user to ensure viability.

### Service Options

The service strategy for the 3270-PC includes a number of service options ranging from Repair Centre Mail-in to On-site Service. The type of service announced within any country will be dependent on local country requirements and service will normally be available during prime shift (Monday - Friday) only.

The 3270-PC is designed for element Exchange/Repair Centre Service for all workstation elements with the exception of the 5271 System Unit which can be feature personalized by the user. As a result the 5271 System Unit is repaired either On-site or at an IBM Service Exchange Centre.

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