



**3180**

**Display  
Station**



## PRODUCT DESCRIPTION

The IBM 3180 is an ergonomic, advanced function, 15 inch monochrome display station available in two models.

The 3180 Model 1 is a coaxial cable attached display, which is functionally equivalent to 3278 Models 2 to 5 inclusive, while the 3180 Model 2 is twinaxial cable attached and is functionally equivalent to 5251 Model 11.

The 3180 is a purchase only, customer set up product and consists of five Work Station Elements (WSE).

- Display Element
- Logic Element
- Keyboard
- Cable Attachment Module
- Line Cord

The display element and line cord are common to both models while the logic element, keyboard and cable attachment module are model dependent and attach to the display element.

The 3180 will require no changes to the customer's application programs for equivalent functions.

IBM INTERNAL USE ONLY

## Service Information

The 3180 is designed to provide a high degree of reliability, availability and serviceability. 3180 maintenance is accomplished through the use of:

- Customer Problem Analysis and Resolution procedure (CPAR) available in the User's Guide, which assist the customer / CE in isolating the failing workstation element(s).
- Maintenance Information Manual (MIM), available in the User's Guide, which assists the Repair Centre / On Site CE in element repair via:
  - Symptom fix table
  - Adjustments
  - Parts catalogue
- Internal Power-on Diagnostics (POD) comprising:
  - Audible feedback
  - Displayed error codes
  - Non-volatile error log
- Off-line service aids:
  - Alignment and test screens
  - Diagnostic loop capability
  - Internal communications wrap test
  - Error log display
  - Set up mode

## Training Plan

CE training for the 3180 will be a self-study package.

## Installation

The 3180 is a Customer Set Up (CSU) product.

## Manufacturing Location

Greenock for E/ME/A  
Toronto for U.S. and A/FE

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### Highlights (Models 1 and 2)

- Adjustable screen height, tilt and rotate
- Antiglare screen
- Low profile adjustable slope keyboard
- Security keylock
- Status line with row/column indicator
- Record playback of keystrokes
- Data processing keyboard
- Operator controls via the keyboard:
  - Screen brightness and contrast
  - Alarm volume
  - Keyboard clicker volume
  - Keyboard clicker : on/off
  - Cursor style : block/underline
  - Cursor blink : on/off
  - Normal or reverse image
  - Automatic display dim : on/off

### MODEL 1 (additional highlights)

- Compatible with 3278 model 2 to 5 inclusive, base functions.
- For use with System/360; System/370; 3033; 3081; 4300 processors and 8100 systems.
- Four screen formats selectable via keyboard.

<u>Rows</u>	<u>Columns</u>	<u>Characters</u>
24	80	1920
32	80	2560
43	80	3440
27	132	3564

- Keyboard numeric lock
  - \*\* Vertical scrolling (8000 character buffer)
  - \*\* Customer Modifiable keyboard
  - Dual or mono case display
  - Model ID, keyboard ID selected via keyboard
  - Control unit switch (accessory)
- \*\* 3274 configuration support D with release 63 micro-code necessary to support these functions.

### MODEL 2 (additional highlights)

- Compatible with 5251 Model 11 base functions
- For use with System/36 and System/38 via attachment to the 5360 and 5380 processors or the 5294 remote control unit
- 1920 character screen (24 rows x 80 columns)
- Cable attachment module provides:
  - Automatic cable-through if two twinaxial cables are attached
  - Automatic termination if only one twinaxial cable is attached
  - Disconnection of the 3180 without disrupting the the host or other workstation on the same twinaxial cable
- Multinational character set (selectable via keyboard)
- Dedicated message line
- Extended display (displays hexadecimal attributes)
- Station address, keyboard ID selected via keyboard

Note: The 3180 model 2 is not supported by the System /34 or remote attach to the System/36 and System/38 via the 5251 model 12 display station.

### Service Options

The service strategy for the 3180 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 upon local country requirements and service will normally be available during prime shift (Monday – Friday) only.

The 3180 is designed primarily for Element Exchange/Repair Centre repair on all workstation elements.

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