



# Tech Info Library

## Apple II Business Graphics: Specifications (Discontinued)

Revised: 9/10/93  
Security: Everyone

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### I. Technical Specifications

#### A. Language:

- Pascal
- Assembly

#### B. Format:

- 16-sector diskette.

#### C. Imaging:

- Graph Types: Scatter, solid-line, dash-line, bar (vertical or horizontal), pie (filled or outline), and multiple overlays
- Color: Six available on color monitor--user-selectable or default values
- Titling/Labeling:
  1. Alphanumeric labeling on x- and y-axis
  2. Auto-scale or user-defined label ranges
  3. Centered titles
  4. Floating titles:
    - any number
    - horizontal or vertical
  5. Tick marks and extended grid lines

#### D. Graphic Devices:

- Console
- Silentype
- Apple Color Plotter
- Qume Sprint 5 printers
- Hewlett-Packard 7225A/B with 17603A, RS-232 Personality Module
- Houston Instruments DMP-3, -4 high-quality pen plotters

#### E. Data Manipulation:

- Curves that can be FITed to any data set:  
LINE LOGARITHMIC CONSTANT SINE PARABOLA

- Coefficients can be manually set to produce known curves.
- Statistical analyses that can be performed on any data set:
  - MINIMUM MEAN MAXIMUM STANDARD DEVIATION SUM VARIANCE
- Either moving average or exponential smoothing may be performed with a single command.
- Additional data manipulation commands:
  - ADD SHIFT DIFFERENCE SUBTRACT(FROM) DIVIDE(BY/INTO)
  - SUM MULTIPLY
- TAKE Files:
  1. Store business Graphics commands in a single file that allows multiple, complex plots to be recreated with a single command.
  2. WAIT command allows users to insert a timed pause in a TAKE file.
- Virtual files:
  1. System allows user to utilize large data files exceeding the size of computer memory.
  2. Default virtual file provides space for approximately 90-100 points.
  3. SET VIRTUAL FILE command allows user to define a virtual file on another diskette, greatly expanding the maximum number of points to be processed.
- Interchange Facility:
 

Generates a Business Graphics data file from these common formats:

  1. VisiCalc print files (13- and 16-sector)
  2. ApplePlot (13- and 16-sector)
  3. DIF format
  4. BASIC text files (13- and 16-sector)
  5. Apple Pascal

## II. System Configuration:

- A. Apple
  1. II Plus with 48K of memory
  2. IIe
  3. IIc
- B. Two 5 1/4 inch disk drives
- C. Apple Language Card
- D. Video display device
- E. Optional compatible printer and printer controller card
  1. With Silentye Interface Card: Silentye
  2. With High Speed Serial Interface Card with P8-02 PROM: Qume Sprint 5 printers
- F. Optional compatible plotter and plotter controller card
  - With High Speed Serial Interface Card:
    1. Hewlett-Packard 7225A/B with 17603A, RS-232 Personality Module
    2. Houston Instruments DMP-3, -4 high-quality pen plotters

NOTE: Apple Business Graphics includes drivers supporting the printers and plotters mentioned here. Using a special kit, called a Printer/Plotter Installation Kit (PIK), Apple Business Graphics can support other

plotters, letter quality printers, and dot matrix printers.

### III. Features

- Enlarges any area of a graph for close study
- User may specify all graph parameters:
  1. axis labels
  2. floating labels
  3. plot colors,
  4. horizontal and vertical axis ranges
- Macro commands can replace multiple command sequences

Apple Technical Communications

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