



Tech Info Library

Apple Cluster Controllers: Specifications (Discontinued)

Revised: 9/24/93
Security: Everyone

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I. Technical Specifications

1. Protocols:

- A. Systems Network Architecture/Synchronous Data Link Control (SNA/SDLC)
- B. Binary Synchronous Communication (BSC)

2. Cluster Controllers Emulated:

- A. SNA/SDLC: IBM 3274, 3276 MOD 12
- B. BSC: IBM 3276 MOD 2

3. Devices Emulated:

- A. Terminals:
 - 1. SNA/SDLC: IMB 3278-2
 - 2. BSC: IBM 3277
- B. Printer: 3287-1

4. Physical Unit Type: SNA/SDLC: PU (1-7 LU's)

5. Device Address:

- A. SNA/SDLC: PU2, address switch selectable
- B. BSC: Switch selectable

6. Transmission Speed:

- A. Full Duplex: Up to 9600 bps
- B. Printer: 300 to 9600 bps, Full duplex flow control (X-on/X-off)

7. Interface:

- A. Asynchronous:

- a. Seven-bit ASCII
- b. Full duplex
- B. Synchronous:
 - a. 8-bit EBCDIC

8. Power Requirements: 115 AC, 1 amp, 50/60 Hz

9. Physical Connection:

- A. Synchronous port: Serial high-speed synchronous modem
- B. Asynchronous port: Serial interface (DTE or DCE) for:
 - a. computer
 - b. printer
 - c. modem

10. Data Security:

- A. Monitors data flow from each port in both directions
- B. Automatically terminates when the transmission is interrupted

11. Diagnostics:

- A. A diagnostic line monitors every port
- B. Self-diagnostic test programs that may be run at any time
- C. Complete system test at power-on
- D. Results displayed on the Status Line

12. Environmental Requirements

- A. Operating temperature: 50 to 90 degrees F (10 to 35 degrees C)

II. Package

NOTE: For Datacomm approved dealers only

Order Numbers: Search on "Cluster" in the Product Prices Library

1. An Apple Cluster Controller
2. Power cord
3. Jumper package for configuration
4. Test loopback plug
5. Accessory Kit
 - a. Cluster Controller Operating Manual
 - b. Cluster Controller Installation Guide
 - c. Warranty and Product Registration Card

III. System Configuration

1. An Apple Computer
 - a. Macintosh or Macintosh XL

- b. III
- c. II, II Plus, IIe, or IIC:
 - 1. Not recommended
 - 2. Cable and pinout information on connecting your Apple II to an Apple Cluster Controller may be found by searching AppleLink's Technical Library on "Apple Cluster Controller and pinout"
- 2. Serial printer (optional)
- 3. Data cables to connect to a computer, printer or asynchronous modem
- 4. Data cables or a synchronous modem to connect to the IBM mainframe
- 5. Terminal software:
 - a. Apple III: Access III or Access 3270
 - b. Macintosh XL: LisaTerminal or MacTerminal (under MacWorks)
 - c. Macintosh: MacTerminal

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