



Tech Info Library

Apple Cluster Controllers: Specifications (Discontinued)

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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