



# Tech Info Library

## ARA MultiPort Server 2.1.1 PCI version: Specifications (8/96)

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TOPIC -----

This article provides the technical specifications for the Apple Remote Access (ARA) MultiPort Server 2.1.1 PCI version.

DISCUSSION -----

### Technical Specifications

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#### Administrator control and monitoring

- Ability to monitor and manage server activity by port and user
- Ability to broadcast messages or send them to selected users
- Ability to adjust connection time by user
- Ability to disconnect any single user or all users

#### Security

- User name and password authentication
- Adjustable password length
- Filtering of network services by account
- Ability to disallow client use of Save Password option
- Account disable after specified number of password failures
- Password aging
- External security architecture (for example, for providing challenge-and-response authentication through a third-party security module)
- Callback feature that verifies the user's identity by returning calls to a predetermined phone number
- Activity log for recording user and server activities
- Administrative password option

#### Modem support and scripts

- Modem scripts are available for a range of Hayes-compatible modems and ISDN terminal adapters.
- Additional scripts may be available. Contact your modem manufacturer for more details.
- If you understand connection control languages (CCLs) and are an experienced programmer, you may be able to write the necessary modem script yourself. The Apple Remote Access Modem Toolkit includes everything you need to write these scripts.

#### Network types supported

- Support for any AppleTalk network; the most common network choices include:
  - LocalTalk
  - Ethernet
  - Token Ring

#### Connection types supported

- Standard telephone
- Cellular\*
- ISDN\*

\* ISDN or cellular support requires additional third-party products.

#### Error detection/data compression

- Includes several built-in components that allow for error-free and optimized delivery of data
  - Smart buffering (developed by Apple Computer, Inc.) for data transfer optimization
  - MNP, an industry standard for error detection
  - V.42bis, an industry standard for data compression

#### Specifications

- Maximum number of simultaneous connections: 16
- User name maximum length: 31 characters
- Password maximum length: 8 characters
- Total number of user records: 8,192
- Maximum connect time: selectable
- Maximum number of activity log entries: 32,767

#### Licensing information

- Comes with license to install Apple Remote Access MultiPort software on a single Macintosh and to install Apple Remote Access Client software on up to six systems.
- Additional client software must be purchased or licensed separately; consult your authorized Apple reseller or representative for information.

#### System requirements

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##### For the server side

- A Power Macintosh with 1 or more PCI expansion slots and at least 8MB of RAM
- Macintosh System Software 7.5 or later
- A hard disk drive, CD-ROM drive, and an Apple SuperDrive floppy disk drive
- Apple Remote Access Serial Card and Apple 6-port RS-232 Cable (included)
- One or more Hayes-compatible 9,600 bps/V.32 or higher-speed modems
- Apple Remote Access Client

##### For the client side

- A Macintosh computer with at least 4MB of RAM (8MB for Power Macintosh)

- Macintosh System Software 7.1 or later (version 7.5 or later required for Power Macintosh)
- An Apple or other Hayes-compatible modem (14.4 kbps or faster recommended)
- Modem cable with hardware handshaking
- Apple Remote Access Personal Server or MultiPort Server (or any Apple Remote Access-compatible server)

Ordering Information

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Apple Remote Access MultiPort Server

Order No. 436000Z

- Apple Remote Access MultiPort Server software and installer on CD-ROM disc (includes support for six ports)
- Apple Remote Access Client software and installer on CD-ROM disc (with license to install software on up to four client systems); additional client software can be purchased separately
- PCI 6-port Serial Card
- Apple 6-port RS-232 Cable

Apple Remote Access Client

(single-pack)

Order No. 402000U

Apple Remote Access Client

Volume licenses for Client software can be purchased for quantities of 25 or more users; consult your authorized ClarisPLUS reseller or representative for purchasing information.

Product specifications are subject to change. Check with your Claris reseller for the most current information about product specifications and configurations.

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