

## EmbARK | system requirements

The following recommendations apply to both EmbARK Collections Manager and EmbARK Cataloguer.

### Database Software

A copy of 4D Server software is provided with client/server installations of EmbARK.

### Hardware and Operating System

Single-user and client computers should be fast computers with very good quality monitors (for imaging). We recommend Windows 2000 Professional or Windows XP as the operating system; for Macintosh systems, we recommend OS 10.3 or better.

New equipment purchases should be based on a Pentium CPU for Windows machines or G4 for Macintosh.

### Workstation Configuration

The current minimum workstation configuration is:

- > Pentium 233 MHz or Macintosh G3
- > 64 MB RAM (512 MB recommended for Mac OS 10)
- > 2 GB hard disk
- > 2 MB display memory capable of supporting 800 x 600 video resolution
- > Network card (client/server only)
- > Windows 98 or Macintosh operating system (10.3)

The current optimum workstation configuration is:

- > Pentium III, 2.4 GHz or Macintosh G5
- > 256 MB RAM (1 GB recommended for Mac OS 10)
- > 20 GB hard disk
- > 8 MB display memory capable of supporting 1024 x 768 video resolution
- > Network card (client/server only)
- > Windows 2000 Professional or Macintosh operating system (10.4 or better)

### Server Configuration

The current minimum server configuration is:

- > Pentium Pro 450 MHz or Macintosh G3 computer
- > 128 MB RAM (768 MB recommended for Mac OS 10)
- > Windows 2000 Server or Macintosh operating system (10.3)
- > Disk storage sufficient to manage and copy the collections database and images, with extra space for growth
- > Network card
- > Mass storage device or tape drive with appropriate backup software

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The current optimum server configuration is:

- > Pentium III, 2.4 GHz or Macintosh G5
- > 1GB RAM
- > Windows 2000 Server or Macintosh operating system (10.4 or newer)
- > Disk storage sufficient to manage and copy the collections database and images, with extra space for growth
- > Network card
- > Mass storage device or tape drive with appropriate backup

*Note: All client/server configurations require a dedicated server to run EmbARK. For more detailed information on hardware specifications, please visit the 4D Frequently Asked Questions website at <http://4d.com/support/techfaq.html>.*

### Monitors

We recommend (but do not require) 17-inch monitors for viewing images. A 13-inch monitor is sufficient for the server. It is highly recommended that monitors support 1024 x 768 video resolution, as well as 24 bit colors for imaging. A minimum video resolution of 800 x 600 are required for proper display.

### Printers

EmbARK requires no special printers or cabling.

### Wide Area Networks

EmbARK is designed to operate over wide area network connections. Gallery Systems recommends a minimum bandwidth of 256K.

The number of users that can be successfully supported will be influenced by several factors, including:

- > Bandwidth demands of other applications/services sharing the same connection
- > Overall network architecture
- > The specification of the server running EmbARK (and, of course, whether this server is also running other services)
- > The size of the database
- > The location of images

### Dial-in or VPN Access

If appropriate, Gallery Systems technical staff regularly uses dial-in access or VPN connection in order to facilitate remote support. The minimum bandwidth recommended for dial-in access is 56K.

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### EmbARK Web Kiosk

#### Server

- > Macintosh G4 or Pentium III, 400 MHz (or better)
- > Windows 2000 Server or Macintosh OS 10.3 or better
- > Sufficient hard drive space to store a copy of the database file and images
- > Images must be in JPEG, GIF, PNG, or other web-compatible format

#### Client

- > Macintosh G3 computer or a Pentium 133 MHz
- > Safari (preferred for Macintosh)
- > Internet Explorer 5.0 or higher (not recommended for Macintosh)
- > FireFox (Mozilla)
- > Netscape 4.7 (or higher)

*Note: The kiosk templates can be edited for compatibility with older or different web browsers; however the default templates are only tested with the browsers listed above.*

#### Hardware and Networking Recommendations

The recommendations mentioned above do not include network cabling, network hubs or network consulting. Gallery Systems prefers that all hardware and network cabling and software be installed, tested and fully operational by the client before EmbARK is installed. Gallery Systems does not provide hardware or communications services except consulting for remote users. If in-house expertise is not available, we recommend that our clients establish a relationship with a hardware vendor and a local system consultant. This recommendation extends to all aspects of the network. For more detailed information on hardware specifications, please visit the 4D FAQ website at <http://www.4d.com>.