

Xinet

# Full Press

**Prepress Networking for:**

- ◆ **High-performance file service**
- ◆ **Flexible print spooling**
- ◆ **Efficient image management**



#### ABOUT THE COMPANY

Xinet has been developing and marketing connectivity and server solutions since 1985. We specialize in server solutions that allow prepress workgroups to work together efficiently and reliably. Our reputation as a leader in the cross-platform client/server market has led to close alliances with many of the world's top hardware and software developers.





**F**ULLPRESS® IS THE TIME AND MONEY SAVING SOLUTION for the prepress industry. Xinet's integrated prepress server increases productivity any time Macintoshes work together to produce complex publications. FullPress is an Open Prepress Interface (OPI) server completely integrated with a set of network applications that provide the software you need for managing digital publishing networks. FullPress includes:

- ◆ **File server software** for seamless, fast file sharing among multiple Macintosh users
- ◆ **Print server software** which allows Macintosh users to choose any printer or imaging device on the network
- ◆ **OPI server software** for efficient sharing and management of large images from the moment they are created or scanned into the system until they are output in their final form
- ◆ **Client-side software** which allows the central server to mount files from any networked Macintosh

FullPress runs on today's most powerful servers, providing the speed and efficiency necessary to compete in an "I need it yesterday" market. And, best of all, FullPress helps any prepress department become more cost-effective, without demanding that every user become a network guru.

FullPress speeds up  
time-consuming  
prepress image  
manipulation

Cost-effective  
workflow  
management

**OVERVIEW**

Turn to the centerfold on page 8 for an overview of how FullPress might be integrated into your workflow. We will discuss the three most important components below, then in following pages explain the advantages you will experience from input to output.

**High-performance file service**

FullPress allows printing and prepress specialists to share files over their network quickly—without leaving their familiar Macintosh environment. Shared files stored on the file server appear on Macintosh desktops just like files on local disks.

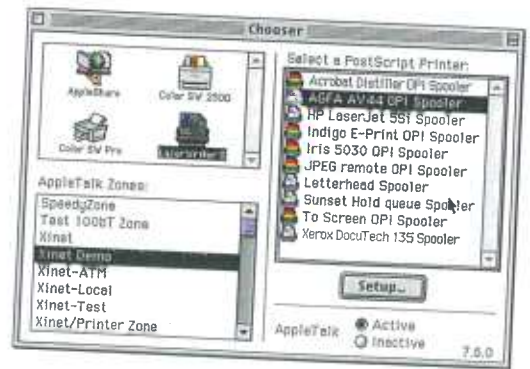
A set of Xinet AppleTalk protocols on the central server make it possible to use the UNIX host as an AppleShare file server which takes full advantage of the server's RISC-processing speed and architecture. The result? Faster file sharing than dedicated Apple file servers can provide.

Because the file-sharing software fully complies with Apple's network conventions, there's no additional software to install on your Mac. Just one simple installation on the UNIX server and every Macintosh on the network is ready to go!

Although Mac users take advantage of the server's power, they remain in their native environment, using icons on the Mac desktop to manipulate files stored on



*Using FullPress is completely intuitive. Users drag or scan original images into a FullPress shared volume, such as "Jamie's Work Area" or "Jamie's Work FPO" above. FullPress immediately creates "For Placement Only" (low-resolution) corollaries for use in page layout. Other users can also access the images (either the high-resolution original or the "For Placement Only" version) from their own Macs*



*Mac users can select any imaging device on the network from the familiar Chooser.*

the server. They can open, read, copy, move, drag to the Trash, and launch files on the shared volume just as if the files were local files.

FullPress even synchronizes all of the clocks on networked Macintoshes. This helps avoid potential confusion about the latest file version when multiple users are accessing the same files stored on the server.

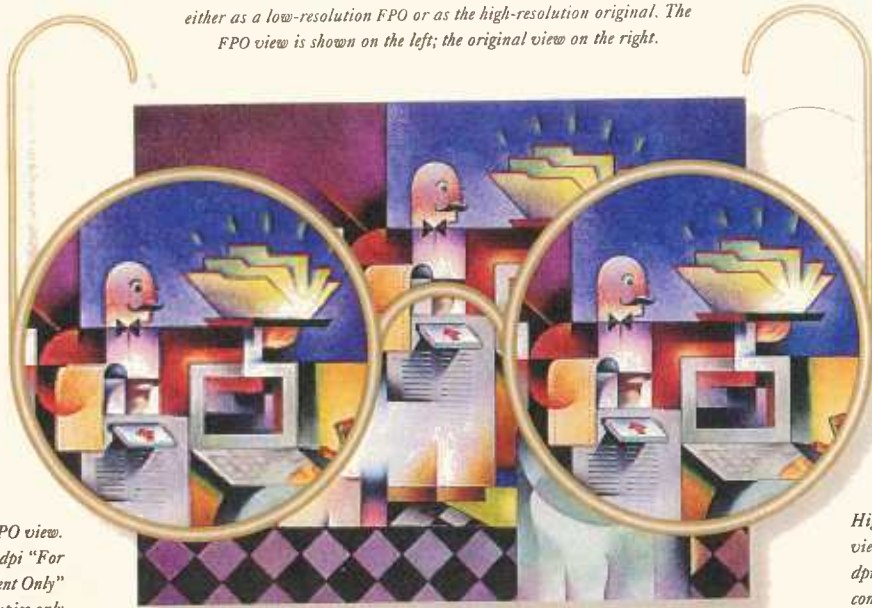
**Flexible print serving**

FullPress allows users to queue print jobs from any Macintosh on the network to any networked PostScript imaging device. Mac users can choose the most appropriate device for their print jobs—for example, low-resolution printers for proofing; high-resolution imagers for color separations.

Once Mac users send jobs to the spooler, they can continue using their Macintoshes for other work. The UNIX server takes care of job queue management in the background, eliminating costly waiting time.



FullPress allows users to view a single file in two ways: either as a low-resolution FPO or as the high-resolution original. The FPO view is shown on the left; the original view on the right.



*FPO view. This 72 dpi "For Placement Only" view occupies only 1723 K disk space.*

*High-resolution view. This 304.8 dpi original file consumes 33.2 MB disk space.*

**Image management**

FullPress's OPI server reduces network traffic by providing low-resolution "For Placement Only" (FPO) views of high-resolution images for use during production and proofing. High-resolution originals can come from any source—scanner, Scitex workstation, or Macintosh. FPO views are created automatically as soon as the images are placed on the server.

Because the FPOs are much smaller than their high-res sources, they travel over the network and appear on Macintosh screens more quickly. Since most Mac monitors display at a maximum resolution of 72 dpi, no apparent resolution is lost. The FPOs' smaller sizes also make them quicker to manipulate within page layout applications. FullPress also creates even smaller PICT previews and custom icons (similar to Photoshop's) for images placed in a FullPress volume. These "thumbnail" previews make selecting the right image for placement much easier.

Xinet uses the term "dynamic binding" to explain the unique relationship of FullPress FPOs to their high-res image sources. Because each FPO is actually another view of the high-res image, any changes made to a high-resolution image become immediately apparent in its FPO. Any time a user looks at a document, its FPOs will always be up-to-date.

When users import an FPO image into their documents using the built-in facilities of page layout applications (QuarkXPress, PageMaker, FreeHand, etc.), they

create references within the document file to the low-res FPO view. When final output is desired, users send their document files from their Macs to the OPI print-spooler. There, FullPress interprets these image references and locates the high-resolution original images which correspond to each FPO. FullPress then replaces FPO views with their high-resolution source files, merging the high-res images into the PostScript stream which is being sent to the RIP and imaging device.

How does this happen? FullPress interprets a special set of PostScript-language comments which allow it to automatically insert the high-resolution originals. These PostScript comments, defined by the Aldus Open Prepress Interface (OPI) specifications, are commonly generated by most popular desktop prepress software programs. FullPress also interprets attributes that users have set for FPOs within their working document—such as changes in size, cropping, skewing, or tinting—and correctly modifies the appearance of the images within the high-resolution final printout. All changes made to the FPO from within page layout applications will be reflected, at print-time, on the high-res image.

This dynamic process of "communication" between the high-res image file and its FPO representation gives users the flexibility and benefits of the OPI workflow. And, with FullPress, users can be confident that image replacement will occur without a hitch, as if they had been working with original image files all along.

**Dynamically  
bound FPOs are  
always up-to-date**

**PICT previews  
and custom icons  
make it easy to  
find images**

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