HyperXpress® Hyperdrive Your Printers & Plotters

About HyperXpress

HyperXpress® is a high performance printing and plotting software raster image processor (RIP), designed to dramatically decrease the time it takes to print large, complex (including raster and vector) images.

Benefits

1. Cost & Productivity:

HyperXpress can drive most of your large and small format printers extending their usable life and allowing you to preview and edit images before going to paper. The bottom line is significantly reduced cost to your company.

2. Versatility:

HyperXpress is available in a number of different configurations, including Standalone and Client-Server. With our Client-Server configuration, off-loading the local workstation from processing the image results in increased performance and user productivity. Even more, HyperXpress automatically installs as a printer option in all Windows applications on your workstation.

3. Increased Functionality:

HyperXpress provides a full complement of image manipulation features including scaling, rotation, cropping, color correction and tiling. While many firmware/hardware solutions offer some combination of these, few can match the functionality provided by the HyperXpress toolkit. HyperXpress' unique integrated post-RIP image previewer allows proofing of output before printing, saving time and supplies.

4. Reliability:

Like its predecessor HyperPlot®, the undisputed standard for plotting in the semiconductor (EDA) industry, HyperXpress is a proven technology. Together, these printing solutions are serving over 35,000 users at businesses worldwide, including AT&T, ENCAD, Hewlett-Packard, IBM, Motorola, Sun Microsystems, Xerox, and many more.

Features

HyperXpress:

- Handles enormous size input data, proven to handle file sizes exceeding 5GB.
- Processes huge hybrid files containing complex images with raster and vector data.
- Produces enormous size output, from the size of a stamp to images larger than a roadside billboard.
- Is much faster than printer or plotter RIPs.
- Reprints are a breeze - simply “RIP once, print many”.
- Automatically installs as a printer option in all Windows applications on your workstation.
- Drives most new and old, large and small format printing devices.
- Generates PDF files from any application for transfer over the Internet.
- Produces more consistent print jobs by driving printers at full speed.
- Has a rich set of image manipulation features including scaling, rotation, cropping, nesting, tiling, and color correction which exceed the capabilities of printer RIPs.
- Contains a true print previewer that allows you to proof and edit a job before printing - saving time and supplies.
- Runs standalone or on a server thereby off-loading the local workstation from processing the image.
- Contains accounting features for tracking resource usage.
- Offers Color Controls:
    - to enhance halftoning, which uses Floyd-Steinberg’s (error diffusion) algorithm for smoothing color transitions
    - to apply gamma corrections to adjust color levels
    - to adjust image brightness and contrast

Driving Printers & Plotters

HyperXpress drives most new and old enterprise printers and plotters at full speed. HyperXpress plots data at the printer's maximum speed to prevent ugly banding caused by the starting and stopping of printheads. HyperXpress drives most desktop PostScript and PCL printers and most inkjet and electrostatic plotters.

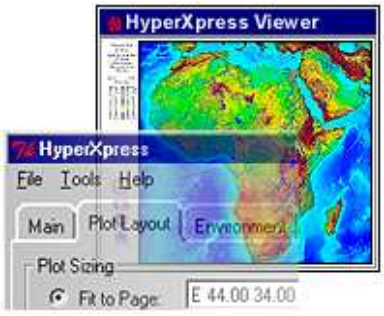
They include the following:

- CalComp
- Synergy
- PCL devices
- ENCAD
- XeroxXpress
- Hewlett-Packard
- Raster Graphics
- Oce'
- Canon
- Xerox/Versatec
- QMS
- EPSON
- Selex
- All PostScript printers (color separation option)
- Printers with Windows Drivers

True Print Previewer

Our true print previewer saves time and money by allowing you to view and edit all output destined for your printers and plotters. You can preview a plot destined for an E-size plotter on the screen or on an A-size device to make sure the composition is correct. No longer do you have to wait for hours to see a print or waste expensive inks and media on unwanted output.

Our HyperViewer allows you to visually verify and alter raster files prior to printing.



- **Previewing & Editing** - After a file has been RIPed, the image can be viewed at various scales and image qualities before being sent to the printer.
- **Image Manipulation** - HyperXpress provides tools to rotate, crop and annotate an image.
- **Image Sharing** - Plot files can be efficiently saved and e-mailed for viewing in a web browser.

Licensing Configuration

HyperXpress is available in three licensing configurations:

Standalone: one copy dedicated to one workstation.

Floating: multiple copies shared amongst users on your network.

Server: one copy installed on a server and accessed from any workstation on your network. This allows for sequential processing, which means that RIP processes are off-loaded from your workstation to the server.

For any configuration, multiple seat bundles are available from your dealer.

Available with the following interfaces:

- A Windows driver interface for printing or plotting within any Windows application and optimized for applications such as Adobe, AutoCAD, Corel, ESRI, MapInfo, MicroStation, Photoshop, SolidWorks, and many more.
- A standalone GUI for processing existing disk files.
- An ArcView extension to help with ERMapper and MrSID data.

Network Printing

Connectivity:

HyperXpress gives you the ability to print via your installed Windows system printers or plotters to directly attached devices via parallel ports or SCSI adapters; and the ability to print directly to ethernet and TCP/IP ports with or without any Windows printer driver.

Shared Resources:

If you depend on printer sharing in a mixed operating system environment, then HyperXpress is the ideal choice to maximize your printer connectivity.

Inputs

File Formats:

GIF JPEG PDF PostScript TIFF

Outputs

Output Formats:

CCRF HPRTL JPEG PCL PostScript RG PTR (PINEBUSH Raster Format)

System Requirements

HyperXpress requires the following minimum configuration to run:

- Win 95, 98, Me, 2000, or NT
- 64 MB RAM minimum (20 MB of available hard disk space for full installation)
- 200 MB of available hard disk space for temporary and raster files
- 128 MB of virtual memory

World Class Technical Support

PINEBUSH runs over 50,000 product tests per week, yielding a high quality, award winning software package. Our technical support engineers are not outsourced, but work directly with our development department and have extensive experience with software products and printing issues in production environments. We are committed to providing our customers with reliable and fast feedback. We respond to problem reports within 24 hours, and usually provide a fix or work-around in the same time frame.

PINEBUSH is committed to providing printing solutions that support and take advantage of the latest hardware while always ensuring your prior equipment investments are not lost.

For assistance, call us toll free at 1-877-497-3797 or send e-mail to support@pinebush.com.

Some of Our Worldwide Customers

• Apple	• General Motors	• Motorola	• Sharp
• AT&T	• Hewlett-Packard	• NASA	• Siemens
• British Aerospace	• Hitachi	• NEC	• SONY
• Bull	• Honeywell	• Panasonic	• Sun Microsystems
• Cadence	• Hughes	• Philips	• Texas Instruments
• Cray	• Hyundai	• Qualcomm	• Thomas Brothers
• ENCAD	• IBM	• Rockwell	• Toshiba
• Fairchild	• Kodak	• Samsung	• TRW
• Ford Motor	• Lucent Technologies	• Sanyo	• U.S.D.O.D.
• Fuji	• Mitsubishi	• SGS-Thomson	• And many others...

About PINEBUSH Technologies, Inc.

PINEBUSH Technologies, Inc., located in Albany, NY, is a worldwide leading developer and supplier of high performance visualization printing and plotting software for semiconductor (EDA), A/E/C, CAD, GIS, IC, engineering, mapping, scientific, and other technical applications.

About The Shearwater Group, Inc.

The Shearwater Group is the leading worldwide distributor of Electronic Design Automation (EDA) software applications. Established in 1991, the company maintains offices and distribution in all of the major integrated circuit design regions worldwide. Our offices provide our customer base of over 500 chip companies with superior sales and support coverage conveniently in the local language. We currently represent two EDA development firms, Pinebush Technologies, and Xyalis. We have been engaged with each of these firms since 1991, and 2001, respectively.