

SHARP®



PRINT QUEUE
MANAGEMENT
SOLUTIONS

*Versatile Solutions for
Optimal Print Performance*

Digital
iMAGER™
Advanced Workgroup System

Get more from your networked printers with Sharp's Print Queue Management Solutions.

Speed, efficiency and reliability are so important in today's business. That's why Sharp offers sophisticated Print Queue Management software. Designed to optimize network printing and reliability, Print Queue Management allows you to tap into your network's full printing capacity, so you can satisfy spikes in output demand. Plus, with features like Auto Direction, PQM provides the reliability that busy offices and workgroups need—so you'll never miss an important deadline.

Sharp's Print Queue Management offerings are designed to complement Sharp's line of Digital IMAGER series MFPs and printers by providing powerful printing solutions. The client-based EZ Cluster® software delivers an easy-to-use solution right from your desktop. The server-based Callisto™ software enables network administrators to optimize printer utilization. They both are designed to maximize your network printing efficiency—enabling you to better meet your business needs.

Digital
iMAGER™
Advanced Workgroup System

With powerful features Print Queue Management



EZ Cluster Software

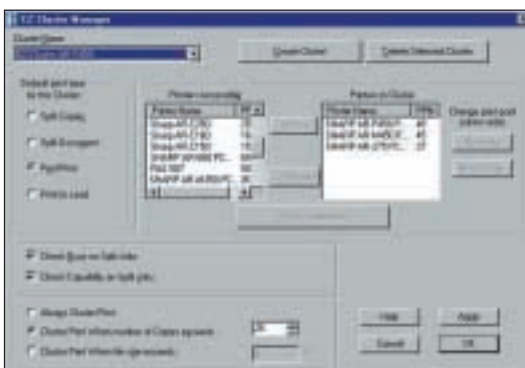
Increase your printing power with Sharp's EZ Cluster Software. Designed for busy workgroups, EZ Cluster is easy-to-use, and works seamlessly with Sharp's Digital IMAGER series MFPs and printers. And best of all, EZ Cluster delivers the power and versatility of print queue management in an easy-to-use solution, right from your desktop.

EZ Cluster Key Features

- **Pool Print (Auto Direction)** provides the added reliability that busy offices and workgroups require. If your lead printer becomes unavailable, Pool Print automatically routes your job to the next available printer—so your job gets finished. Plus, EZ Cluster notifies you where to pick up your job—so you don't waste any time.
- **Smart Load-Balanced Document Splitting** is ideal for lengthy jobs, and separates a single document among a cluster of printers in proportion to engine speed—so the job prints faster.
- **Smart Load-Balanced Copy Splitting** is useful when you need to print a large number of sets. It intelligently splits the job among a group of printers in the cluster in proportion to engine speed—so your workflow keeps moving. With Smart Load-Balancing, efficiency is automatically built-in!

For added efficiency, EZ Cluster automatically verifies printer status and availability before sending a job. It can determine if the necessary finishing options are installed on selected printers and provide the option to redistribute jobs as necessary—thereby minimizing printing conflicts and saving valuable time.

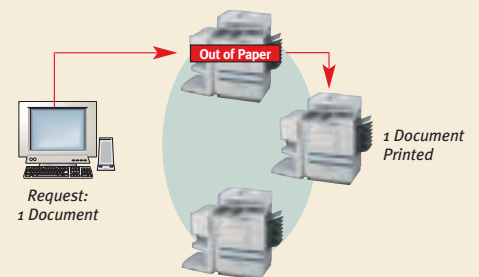
And, EZ Cluster is easy-to-use. The Create Cluster Wizard walks you through the steps to create a cluster, making set-up a breeze. And, with EZ Cluster Manager, adding, modifying or deleting clusters is simple.



- ▲ EZ Cluster Manager Utility allows you to easily create, manage, and modify clusters from the convenience of your desktop.

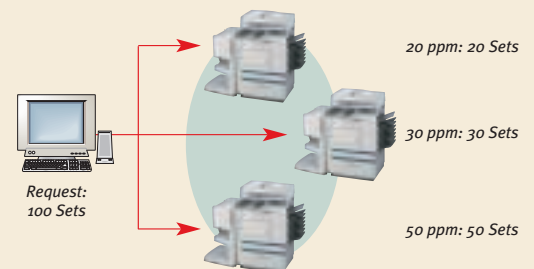
PRINT QUEUE MANAG

Pool Print (Auto Direction)



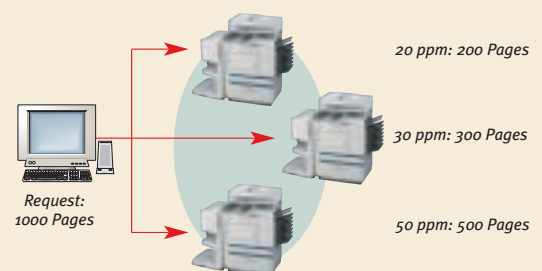
Available on EZ Cluster and Callisto

Smart Load-Balanced Copy Splitting



Available on EZ Cluster and Callisto

Smart Load-Balanced Document Splitting

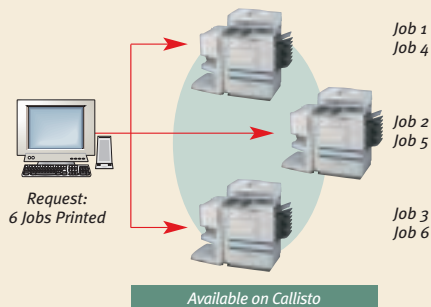


Available on EZ Cluster

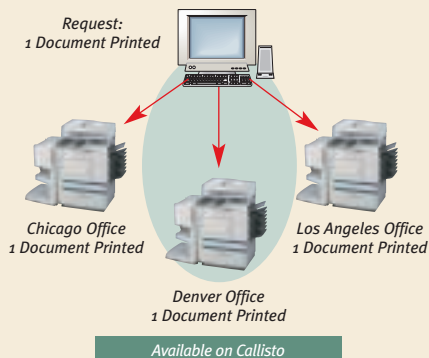
and an easy-to-use interface, Sharp's Solutions keep your workflow moving.

FEATURES AT A GLANCE

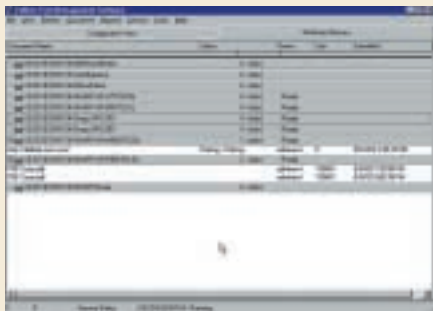
Equal Engine Utilization



Broadcast Print



Monitored Queues



Manage All Print Queues

Available on Callisto

Callisto Print Management Software

Optimize your network printing with Callisto. Created for larger workgroups and departments, Callisto gives network administrators unparalleled control over their network printers, regardless of manufacturer. Created and licensed by Business I.T. Systems, Ltd., Callisto software is compatible with multiple operating systems and applications, and can support virtually any number of users and output devices.

Callisto 1.3 Key Features

- **Copy Splitting** allows you to split large print jobs across multiple devices in one of two ways. When jobs are split evenly, an equal number of sets are printed on each device. With Smart Load-Balanced copy splitting, the sets are split over each device in proportion to engine speed.
- **Pool Print (Auto Direction)** routes jobs if the device is offline, or if the job exceeds the maximum page count, copy count or total page count. Callisto monitors print queues, and redirects a job when the printer is busy—ensuring that your job prints on the first available device. Callisto also notifies you when your job is redirected, so you know where to pick it up.
- **Equal Engine Utilization** sends jobs in sequence to printers in the cluster. This assures equal usage across all devices.
- **Broadcast Print** sends complete and identical jobs to all output devices in the cluster. This option is useful if a job needs to be printed in several locations, such as satellite offices.
- **Monitored Queues** provides Administrators with complete management of print queues and jobs. Prioritize jobs in a queue, pause, resume, delete, copy and/or move jobs between printers and more. Administrators can even choose to have an e-mail notification sent to them on device error, so managing and maintaining busy devices is a breeze.
- **Usage Reports** provide detailed job logs for administrators.

Total Hardcopy Management Solution

Do you want to track your print and copy costs? Concerned about security?

Callisto software can be integrated with Sharp Hardcopy Management offerings, enabling you to track all print activity and costs, including print jobs spread over several engines or redirected to other printers. The basis of this enterprise level solution is Equitrac's Print Accounting Server (PAS) Enterprise Edition software, which can track black/white and color prints to provide extensive cost and usage reports. In addition, you can easily add modular options such as Client Billing, Secure Print Release for confidential environments, and copy accounting options. All of these can be integrated into this system for a complete, secure Hardcopy Management Solution.

SHARP®

Optimize your network printing with Sharp's Print Queue Management Solutions. For more information call your authorized Sharp Dealer today.

specifications

Sharp EZ Cluster

Feature Review	<ul style="list-style-type: none"> • Smart Load-Balanced Copy Splitting • Smart Load-Balanced Document Splitting • Pool Print with Auto Direction on: <ul style="list-style-type: none"> • Device error • Busy print queue • Finishing option mismatch • Notification of Auto Direction with option to: <ul style="list-style-type: none"> • Accept Auto Direction • Ignore Auto Direction • Cancel print job • Cluster Manager to edit, add or delete clusters • Create Cluster Wizard for easy set-up
Supported Printers and MFPs	Sharp Digital IMAGER Series: ¹ AR-M280/M350/M450 series AR-P350/P450 series AR-287/337/407/507 series AR-235/275 series AR-M208
Printers per Cluster	Maximum: 64
PDL Support	<ul style="list-style-type: none"> • Lead Printer must have a PCL5e driver loaded on the client • Printers in the cluster must have PCL5e interpreters
Licensing	10 Client Licenses
Supported Environments	Client Operating Systems <ul style="list-style-type: none"> • Windows® 98/ME • Windows® NT 4.0/2000/XP Pro Network Operating Systems <ul style="list-style-type: none"> • Microsoft® NT Server • Novell® NetWare 4.x and 5.x
Minimum System Requirements (Client)	<ul style="list-style-type: none"> • SVGA monitor with at least 800 x 600 resolution • Operating System² <ul style="list-style-type: none"> • Windows 98/ME • Windows® NT SP6 • Windows® 2000 SP1 • Windows® XP Pro SP1 • TCP/IP • Internet Explorer® 5.0 or higher • Minimum Memory (RAM) requirements <ul style="list-style-type: none"> • Windows 98/ME 32 MB • Windows NT/2000 64 MB • Windows XP 128 MB • 20 MB free hard disk space

¹ EZ Cluster supports "like-kind" clusters of Sharp Digital IMAGERS. "Like-kind" clusters are clusters comprised of similarly configured devices of the same product family.

² Other requirements, such as hardware requirements, are subsumed under the OS requirements.

Callisto Print Management Software v1.3

Feature Review	<ul style="list-style-type: none"> • Even or Smart Load-Balanced Copy Splitting • Equal Engine Utilization • Broadcast Print • Auto Direction on: <ul style="list-style-type: none"> • Device error • Maximum page count, copy count or total page count • Maximum jobs or total pages in queue • User Auto Direction Notification with optional details (device, reason, job log) • Printer & Document Control: <ul style="list-style-type: none"> • Prioritize print jobs in a queue • Pause / resume / delete jobs • Pause / resume / purge printers • Copy / move jobs between printers • Administrator e-mail notification on device error • Usage Reports
Supported Printers and MFPs	Sharp Digital IMAGER Series: AR-650/651/800/810 AR-M280/M350/M450 series AR-P350/P450 series AR-287/337/407/507 series AR-235/275 series AR-M208 AR-163/164/201/207 ¹ AR-C150/C160/C250/C270 3rd Party SNMP compliant printing devices
Printers per Cluster	Maximum: 42
PDL Support	PCL5e PostScript
Licensing	Single server license supporting unlimited number of users
Supported Environments	Client Operating Systems ² <ul style="list-style-type: none"> • Windows 3.1/95/98/ME • Windows NT/2000/XP • Apple Macintosh® Network Operating Systems <ul style="list-style-type: none"> • Microsoft NT/2000 Server • Novell NetWare 4.0 and 5.0
Minimum System Requirement (Server)	<ul style="list-style-type: none"> • Windows NT4 (service pack 3 or greater)/ Windows 2000 • Minimum 32 MB RAM (ideally 64 MB or more) • Video resolution of 800 x 600 pixels, 256 color • TCP/IP and Microsoft SNMP service installed³ • TCP/IP printing installed • Novell Client 32 loaded for NetWare functionality

¹ Copy Splitting not supported on the AR-163/164/201/207.

² Callisto monitors network print requests, irrespective of the operating system running on the users' workstations.

³ Microsoft SNMP is not automatically installed with Windows NT—the service must be added manually. During installation, Callisto will check that SNMP and service pack 3 or greater are installed.

NOTE: EZ Cluster and Callisto are sold separately.

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