Xerox® Phaser® 7100
Color Printer
Evaluator Guide
This Evaluator Guide introduces you to the Xerox® Phaser® 7100 Color Printer, explains its key features and performance advantages, and provides guidance throughout your printer evaluation process.

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Section 1: Evaluating Tabloid/A3 Color Printers

Overview

Based on continuous study of our customers’ color printing needs and overall productivity requirements, Xerox recommends that the following criteria be used when evaluating which Tabloid/A3 color printer you purchase for your office.

Print Quality
Does the printer produce consistently high-quality output for your workgroup’s office document demands? Does it offer professional-level color matching tools that allow you to expand your in-house marketing capabilities?

Productivity
Can the printer keep up with your daily and monthly print volumes?

Simplicity
Does the printer provide advanced technologies that make it easy to use by anyone? Does it offer easily accessible troubleshooting assistance should the need arise?

Security
Does the printer provide advanced technologies that make it easy to use by anyone? Does it offer easily accessible troubleshooting assistance should the need arise?

Deployment and Management
Can the driver deployment process be automated, and does the printer come with tools that ease the task of managing the device?

This section examines each of the evaluation criteria in greater detail, covering the specific features and performance attributes you should look for in a high-volume tabloid/A3 color printer. When the same criteria are used to evaluate every device under consideration, you’ll see how the Phaser® 7100 Color Printer excels against other manufacturers’ products.

Phaser® 7100 Quick Facts
- Print up to 30 ppm color and black-and-white
- True 1200 x 1200 dpi print resolution
- True Adobe® PostScript® 3™
- First-page-out time as fast as 9 seconds black-and-white, 11 seconds color
- Optional Wi-Fi connectivity
- Optional automatic two-sided printing
- Standard 400-sheet paper capacity (expandable to 2,050 sheets)
- Print
  - 11.7 x 17 in. / 297 x 432 mm
  - 30 ppm
- WxDxH:
  - 19.7 x 21.2 x 16 in. / 499.5 x 538 x 406 mm
- Weight: 97 lbs. / 44 kg

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Section 1: Evaluating Tabloid/A3 Color Printers
Print Quality

Many factors determine the quality of the print output delivered by a color printer. Print head technology and image resolution, color registration and accuracy and intuitive, user-friendly color adjustments are all key components of a printer’s ability to deliver the results you demand to bring your high-end color print jobs in-house.

How the Phaser® 7100 Color Printer exceeds the print quality requirement:

Print Resolution
With true 1200 x 1200 dpi print resolution, the Phaser 7100 Color Printer consistently produces superior sharpness and clarity on every page you print. Count on impressive fine-line definition and crisp fonts.

Superior Toner
The Phaser 7100 Color Printer features Xerox® EA Toner — chemically grown to produce the market’s smallest, most uniformly shaped particles — delivers sharper clarity, excellent shadowing and outstanding fine-line detail. EA Toner fuses at a much lower temperature, and reduces overall energy consumption during manufacturing and operation by up to 20% and CO₂ emissions by nearly 30%, compared to conventional toner. It’s also oil-free, delivering brilliant, glossy output, even on ordinary paper.

Precise Output
The Phaser 7100 Color Printer includes true Adobe® PostScript® 3™, which ensures that visually rich documents print reliably and quickly.
Section 1: Evaluating Tabloid/A3 Color Printers

Productivity

Productivity is a critical consideration when evaluating tabloid/A3 color printers, such as the Phaser® 7100. Does the printer deliver the level of performance required to support the workload of larger groups of users, and can it be expanded to meet a workgroup’s evolving needs?

How the Phaser 7100 exceeds the productivity requirement:

**Printing Performance**

The Phaser 7100 Color Printer features a print speed of up to 30 ppm for both color and black-and-white documents. And with a 667 MHz processor, and standard 1 GB of memory, the Phaser 7100 is designed to handle a steady flow of print jobs loaded with detailed images and graphics.

For average print jobs of three pages or less, the most important specification is first-page-out time, and the Phaser 7100 printer delivers black-and-white pages in as few as 9 seconds, and color pages in as few as 11 seconds.

**Expandability**

Numerous accessories are available to tailor-fit the Phaser 7100 Color Printer to your environment. For those users who print a high volume of large, complex files, controller memory can be expanded to a maximum of 2 GB with a 1 GB upgrade.

Plus, the optional Productivity Kit with 40 GB Hard Disk Drive provides more advanced security features, Network Accounting capability and the ability to store fonts.

For workgroups of 10 or more users, consider increasing paper capacity by including up to three additional 550-sheet trays. The Phaser 7100 can handle a total paper capacity of 2,050 sheets for optimum, uninterrupted workgroup productivity.

**Duplexing**

Automatic two-sided printing comes standard on the Phaser 7100DN configuration, providing more flexibility and helping reduce paper consumption. Automatic two-sided printing is optional with the Phaser 7100N configuration.
Section 1: Evaluating Tabloid/A3 Color Printers

Simplicity

Regardless of a tabloid/A3 color printer’s ability to produce a wide range of complex print jobs, nothing should be complex about the printer’s usability. Which is why the Phaser 7100® Color Printer features superior printer management capabilities and innovative, helpful technologies. Even those with no experience using advanced color printers will quickly become comfortable with the wealth of useful features offered by the Phaser 7100.

How the Phaser 7100 Color Printer exceeds the ease-of-use requirement:

Location Flexibility

The Phaser 7100 Color Printer is available as low-profile desktop printer, or it can be configured into a highly productive floor-standing model.

Bidirectional Print Drivers

The Phaser 7100 printer includes print drivers for Adobe® PostScript® 3™ and PCL® 6/5c. Organized by tabs, the print drivers make job programming easy and intuitive. The most commonly used features are located on the default tab, with advanced features easily accessible when programming more complex jobs. The print driver also sends print-job updates, along with toner and paper supply levels, to users’ desktops or even over the web. Pop-up alerts immediately notify users of any print problems —and how to fix them.

And Xerox®-exclusive Job Tracker monitors jobs individually, immediately alerting a job owner via pop-up window should a problem occur, as well as providing helpful suggestions for solving it.
Section 1: Evaluating Tabloid/A3 Color Printers

Security

What type of security requirements does your office require? Does the device have the security features to meet this demand? Can device access be password protected? Does the device remove latent images on disk drives and in memory?

How the Phaser® 7100 Color Printer exceeds the security requirement:

Integrated Security
In today’s business environment, security is a critical competency. The technology you deploy into your organization must have a complete set of capabilities to help keep your confidential information safe. The Phaser 7100 delivers cutting edge security features that protect your confidential information at all points of document vulnerability:

Document
- Secure Print – Holds print jobs at the printer until released by job owner at the device.
- 802.1X Authentication – Ensures devices connected to the network are properly authorized.
- Secure Watermark – Prints hidden text embedded in the document, which becomes visible if the document is copied.

Hard Drive
- User Authentication – Restricts access to device features and management settings by validating user names and passwords, with HTTPS over SSL.
- Hard Disk Encryption* – Applies 128-bit encryption to data stored on the printer’s hard drive.

Network
- IEEE 802.1X protocol – Ensures devices connected to the network are properly authenticated.
- IPsec – Encrypts print jobs sent to the printer utilizing Internet Protocol Security (IPsec) protocol suite.
- IPv6 support – Built-in support for networks utilizing the IPv6 standard.
- Secure data protocols – Secures network communications with industry standards including Secure HTTPS (SSL), SNMPv3.0, and IPsec.

*Requires optional Productivity Kit.
Section 1: Evaluating Tabloid/A3 Color Printers
Deployment and Management

Deploying printers can be challenging, whether in a large organization or small office. The process includes integrating the devices into your existing network infrastructure and deploying print drivers to users’ computers. Evaluate whether the driver deployment process can be automated. Also, evaluate the management tools delivered with the printer, and whether they will ease the task of managing the device.

**How the Phaser® 7100 Color Printer exceeds the deployment requirement:**

**Installation**

The Phaser 7100 Color Printer is designed to be setup and installed by non-technical users. Supplies come pre-loaded, and the included quick install guide helps install optional accessories, connect the printer to your network and a power source, and power-up the device. The printer will automatically be assigned an IP address and join the network via DHCP (other networking protocols can be set at the front panel). Device settings, such as language selection and feature setup, are completed either at the front panel or via remote management software like Xerox® CentreWare® Web or CentreWare Internet Services (CentreWare IS), which is easily accessed by simply entering the device’s IP address into your web browser.

For IT administrators in Mac environments, peace of mind comes from knowing that Xerox® printers and MFPs are the devices of choice for more Mac users than any other brand of office equipment. The Phaser 7100 is no exception, providing full compatibility with Mac operating systems (Mac OS® X 10.5 and higher).

**Driver Deployment**

With the Phaser 7100 Color Printer, print drivers can be deployed centrally, thereby eliminating the need for IT staff to perform desk-to-desk manual installation of the driver software. CentreWare Web wizards are provided to aid in the processes of installing, troubleshooting and upgrading print drivers for employees, freeing up IT personnel for more pressing projects. Driver support is delivered for Windows (XP and later), and multiple UNIX and Linux platforms.

Also, all Xerox® drivers are WHQL (Windows Hardware Quality Labs) certified, ensuring compliance with Microsoft standards and seamless compatibility with MS Windows environments.

Deployment of multiple units is simple with the ability to “clone” network configurations.

**To learn more, and download X-GPD and X-MED free, visit www.xerox.com/global and www.xerox.com/mobile.**
How the Phaser® 7100 Color Printer exceeds the management requirement:

Xerox® Management Software

Xerox® CentreWare® Web is a powerful device management solution for IT departments. CentreWare Web is free software that eases the chore of installing, configuring, managing, monitoring and pulling reports from SNMP-compliant networked printers and multifunction printers throughout your enterprise — regardless of vendor. Xerox also addresses enterprise asset management through compatibility with network management tools for Sun, Novell, Microsoft and other environments.

The Phaser 7100 Color Printer also includes CentreWare IS, an embedded web server that allows users and IT personnel to perform detailed status checks on the system and consumables, administer system settings, and manage access and accounting controls via any standard web browser.

Network Management

The Phaser 7100 printer integrates into virtually any network environment. Network configuration is simple with CentreWare Web configuration wizards, which enable remote configuration of one or many devices, regardless of manufacturer. Also, the Phaser 7100 Color Printer supports many common network protocols, including TCP/IP (IPv4, IPv6, DNS/WINS) and SNMPv3.
## Configuration Summary

<table>
<thead>
<tr>
<th></th>
<th>Phaser 7100N</th>
<th>Phaser 7100DN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speed</strong></td>
<td>Up to 30 ppm color / 30 ppm black-and-white (letter/A4)</td>
<td></td>
</tr>
<tr>
<td><strong>Duty Cycle</strong></td>
<td>Up to 52,000 pages / month&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>Paper Handling</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Paper Input</strong></td>
<td>Bypass Tray: 150 sheets; Custom sizes: 3 x 3.9 in. to 11.7 x 17 in., 8.5 x 35.4 in. and 11.7 x 47.2 in. banners / 75 x 98 mm to A3, 210 x 900 mm and 297 x 1200 mm banners</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tray 1: 250 sheets; Custom sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tray 2: 550 sheets; Custom sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tray 3: 550 sheets; Custom sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tray 4: 550 sheets; Custom sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Paper Output</strong></td>
<td>250 sheets</td>
<td></td>
</tr>
<tr>
<td><strong>Automatic Two-sided Printing</strong></td>
<td>Optional</td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Print</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First-page-out Time</td>
<td>As fast as 11 seconds color / 9 seconds black-and-white</td>
<td></td>
</tr>
<tr>
<td>Resolution (max)</td>
<td>Up to 1200 x 1200 dpi / 600 x 600 x 8 bit</td>
<td></td>
</tr>
<tr>
<td>Processor</td>
<td>667 MHz</td>
<td></td>
</tr>
<tr>
<td>Memory (std / max)</td>
<td>1 GB / 2 GB</td>
<td></td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>10/100Base-T Ethernet, USB 2.0, Optional external wireless</td>
<td></td>
</tr>
<tr>
<td><strong>Page Description Languages</strong></td>
<td>Adobe® PostScript® 3™, PCL® 5c/6, Direct PDF, XPS</td>
<td></td>
</tr>
<tr>
<td><strong>Print Features</strong></td>
<td>Earth Smart driver settings, Collation, Bi-directional driver, Smart Duplex&lt;sup&gt;2&lt;/sup&gt;, Layout/watermark</td>
<td>Productivity Kit (with 60 GB Hard Drive): Adds Font Storage, Network Accounting, 128-bit Hard Disk Encryption, Hard Disk Overwrite, and increased Secure Print capacity and Security Certificate protection</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>IPSec, 802.1X Authentication, Secure HTTPS (SSL), IPv6 compatibility, SNMPv3, JP Filtering, Secure Print, Image Overwrite, Port Control</td>
<td></td>
</tr>
<tr>
<td><strong>Accounting</strong></td>
<td>Xerox® Standard Accounting (requires Productivity Kit)</td>
<td></td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>One-year on-site warranty, earn free service coverage with Xerox eConcierge®, Xerox® Total Satisfaction Guarantee</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup> Maximum volume capacity expected in any one month. Not expected to be sustained on a regular basis. <sup>2</sup> DN configuration
Section 2: Configuration Summary, Specifications, Supplies and Support Resources

Specifications and Supplies

Specifications

Print Driver Support
- Windows® XP and later
- OS® X 10.5 and later
- Various Linux® and Unix distributions
- Xerox® Global Print Driver®
- Xerox® Mobile Express Driver®

Media Handling Supported Sizes and Weights

Bypass Tray
- Capacity: 150 sheets
- Custom sizes: 3 x 3.9 in. to 11.7 x 17 in., 8.5 x 35.4 in. and 11.7 x 47.2 in. banners / 75 x 98 mm to A3, 210 x 900 mm and 297 x 1200 mm banners
- Weights: 16–58 lb. bond to 50–80 lb. cover / 60–216 gsm
- Media types: plain, recycled, heavyweight, cardstock, heavy card, glossy, glossy card, labels, envelopes, hole punched, letterhead, pre-printed, custom 1-5

Tray 1
- Capacity: 250 sheets
- Sizes: Custom sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm
- Weights: 16–58 lb. bond to 50–80 lb. cover / 60–216 gsm
- Media types: plain, recycled, heavyweight, cardstock, heavy card, glossy, glossy card, labels, envelopes, hole punched, letterhead, pre-printed, custom 1-5

Trays 2-4 (optional)
- Capacity: 550 sheets each
- Sizes: 5.8 x 8.3 in. to 11.7 x 17 in. / 148 x 210 mm to 297 x 432 mm
- Weights: 16–58 lb. bond to 50–80 lb. cover / 60–216 gsm
- Media types: plain, recycled, heavyweight, cardstock, heavy card, glossy, glossy card, labels, envelopes, hole punched, letterhead, pre-printed, custom 1-5

Operating Environment

Temperature:
- Operating: 41° to 89.6°F / 5° to 32°C

Relative Humidity:
- Operating: 15% to 85%

Sound Power Levels:
- Printing: less than 54 dBA
- Standby: less than 25 dBA

Electrical

Power: 110 – 127 VAC, 50 – 60 Hz

Power Consumption:
- Average: less than 600 watts
- Standby: less than 75 watts
- Power save: less than 55 watts

ENERGY STAR® qualified

Dimensions

(Width x Depth x Height)

19.7 x 21.2 x 16 in. / 499.5 x 538 x 406 mm; Weight: 97 lbs. / 44 kg

Agency Approvals

UL 60950-1/CSA 60950-1-07, 2nd Edition
EN 60950-1, 2nd Edition
FCC Part 15, Class A
ENERGY STAR® qualified

Supplies

<table>
<thead>
<tr>
<th>Supplies Description</th>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Standard-Capacity Toner Cartridges</td>
<td></td>
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</tr>
<tr>
<td>Cyan: 4,500 pages</td>
<td></td>
<td>106R02599</td>
</tr>
<tr>
<td>Magenta: 4,500 pages</td>
<td></td>
<td>106R02600</td>
</tr>
<tr>
<td>Yellow: 4,500 pages</td>
<td></td>
<td>106R02601</td>
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<tr>
<td>High-Capacity Toner Cartridges (Dual Pack)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black: 10,000 pages</td>
<td></td>
<td>106R02605</td>
</tr>
<tr>
<td>Cyan: 9,000 pages</td>
<td></td>
<td>106R02602</td>
</tr>
<tr>
<td>Magenta: 9,000 pages</td>
<td></td>
<td>106R02603</td>
</tr>
<tr>
<td>Yellow: 9,000 pages</td>
<td></td>
<td>106R02604</td>
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<tr>
<td>Imaging Drum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMY: Up to 24,000 pages</td>
<td></td>
<td>108R01148</td>
</tr>
<tr>
<td>Up to 24,000 pages</td>
<td></td>
<td>108R01151</td>
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<tr>
<td>Waste Cartridge</td>
<td></td>
<td></td>
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<tr>
<td>Up to 24,000 pages</td>
<td></td>
<td>106R02624</td>
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<tr>
<td>Options</td>
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<tr>
<td>550-sheet Feeder</td>
<td></td>
<td>097S04485</td>
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<tr>
<td>Automatic 2-sided Printing Upgrade</td>
<td></td>
<td>097S04486</td>
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<tr>
<td>System Cart with Storage Drawer</td>
<td></td>
<td>097S04552</td>
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<tr>
<td>1 GB Memory Upgrade</td>
<td></td>
<td>097S04488</td>
</tr>
<tr>
<td>Productivity Kit with 40 GB Hard Disk Drive</td>
<td></td>
<td>097S04487</td>
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<tr>
<td>Wireless Network Adapter</td>
<td></td>
<td>097S03740</td>
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<tr>
<td>North American power converter</td>
<td></td>
<td>097S03741</td>
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<tr>
<td>Euro power converter</td>
<td></td>
<td>097S03742</td>
</tr>
<tr>
<td>UK power converter</td>
<td></td>
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</tr>
</tbody>
</table>

1 Average standard pages. Declared Yield in accordance with ISO/IEC 19798. Yield will vary based on image, area coverage and print mode.
2 Average standard pages. Yield will vary depending on job run length, media size, orientation, area coverage and print mode.
Unrivaled Service and Support

Behind every Xerox® product is a large network of customer support that’s unrivaled in the industry and available when you need it. Xerox® service professionals use leading-edge technologies to keep you up and running. They’re even linked to the engineers who designed your product, so you can be confident when you choose Xerox. And genuine Xerox® supplies are always readily available.

Total Satisfaction Guaranteed

The exclusive Xerox® Total Satisfaction Guarantee*, recognized as unique in the industry, covers every WorkCentre device that has been continuously maintained by Xerox or its authorized representatives under a Xerox® express warranty or Xerox® Maintenance agreement. You decide when you’re satisfied.

Xerox® Office Services Support

Asset Management Services
- Asset Optimization and Tracking — Process and tools to optimize an enterprise’s office output infrastructure and reduce overall costs
- Break-Fix Management — Single point of ownership and management for break-fix service for all brands of office output devices
- Supplies Management — Process and tools to procure, monitor and replenish all document-related supplies proactively

Support Services
- Technology Procurement and Deployment — A creative and flexible end-to-end print/computer product acquisition solution that uses a single-point-of-contact model while lowering the total cost of acquisition
- Help Desk Services — A broad range of enterprise services managed through a centralized single point of contact and delivered through an on-site or off-site model
- End User Services — Microsoft software implementation, IT project consulting, and customer education

Additional Information Sources

Phaser® 7100 Front Panel:
- The front panel offers tools and information pages to help with machine setup, feature selections, operational problems, media feed and supply issues.

On the Web:
Visit www.xerox.com/office for:
- Product, supplies and support information
- Downloading drivers
- Finding your local Xerox® sales representative
- Online documentation

Visit www.xerox.com/office/support for:
Support and service information, including the same troubleshooting Knowledge Base used by Xerox® Customer Support staff to provide the latest technical information on:
- Application issues
- Errors
- Print-quality issues
- Troubleshooting

Questions? Comments? Problems?
For more information about the Xerox® Phaser® 7100 Color Printer call 1-877-362-6567 or visit us on the web at www.xerox.com/office.

* Available in North America only.