Xerox® Phaser® 7100
Color Printer
Evaluator Guide

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About this 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.

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?
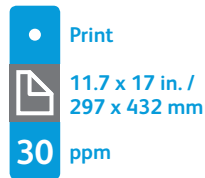
Deployment and Management

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

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 CO_2 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.

- Hard Disk Overwrite* – Electronically "shreds" image data stored on the printer's hard drive using an algorithm specified by U.S. Department of Defense Directive 5200.28-M.

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 CentreWare Web Xerox 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.

Plus, the Phaser 7100 supports two innovative print drivers that can greatly simplify installing, managing and supporting printers and multifunction devices on the network, and increase end-user productivity:

- Xerox Mobile Express Driver (X-MED) makes it easy for mobile users to find, use and manage Xerox and non-Xerox devices in every new location. Plug into a new network, and X-MED automatically discovers available printers and provides status and capability information. Save a list of "favorite" printers for each location, store application print settings for use on any printer in any network, and greatly reduce mobile support calls to IT.

- Xerox Global Print Driver (X-GPD) is a truly universal print driver that lets IT administrators install, upgrade and manage Xerox and non-Xerox devices from a single driver. It provides a consistent, easy-to-use interface for end-users, reducing the number of support calls, and simplifying print services management.

In addition, these drivers provide users with a consistent single interface for all printers, with real-time, dynamic reports of printer status. As a result, users can easily identify the best printer for their needs, quickly choose the correct options and see updated consumables status without the assistance of IT.

> To learn more, and download X-GPD and X-MED free, visit **xerox.com/global and 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.

For more information and your free CentreWare Web download, visit **office.xerox.com/software-solutions/ xerox-centreware-web/enus.html.**

Section 2: Configuration Summary, Specifications, Supplies and Support Resources
Configuration Summary

		Phaser 7100N	Phaser 7100DN
Speed		Up to 30 ppm color / 30 ppm black-and-white (letter/A4)	
Duty Cycle		Up to 52,000 pages / month[1]	
Paper Handling Paper input	Standard	**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	
		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	
	Optional	**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	
		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	
		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	
Paper output	Standard	250 sheets	
Automatic two-sided printing		Optional	Standard
Print First-page-out-time		As fast as 11 seconds color / 9 seconds black-and-white	
Resolution (max)		Up to 1200 x 1200 dpi / 600 x 600 x 8 bit	
Processor		667 MHz	
Memory (std / max)		1 GB / 2 GB	
Connectivity		10/100Base-T Ethernet, USB 2.0, Optional external wireless	
Page description languages		Adobe® PostScript® 3™, PCL® 5c/6, Direct PDF, XPS	
Print features	Standard	Earth Smart driver settings, Collation, Bi-directional driver, Smart Duplex, Layout/watermark	
	Optional	**Productivity Kit (with 40 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	
Security		IPsec, 802.1X Authentication, Secure HTTPS (SSL), IPv6 compatibility, SNMPv3, IP Filtering, Secure Print, Image Overwrite, Port Control	
Accounting		Xerox® Standard Accounting (requires Productivity Kit)	
Warranty		One-year on-site warranty, earn free service coverage with Xerox eConcierge®, Xerox® Total Satisfaction Guarantee	

[1] Maximum volume capacity expected in any one month. Not expected to be sustained on a regular basis.

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 CE Mark applicable to: Low Voltage Directive (2006/95/EC), EMC Directive (2004/108/EC) ENERGY STAR® qualified

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

[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.

Section 2: Configuration Summary, Specifications, Supplies and Support Resources
Support Reources

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.

* Available in North America only.

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 **xerox.com/office** for:

- Product, supplies and support information

- Downloading drivers

- Finding your local Xerox sales representative

- Online documentation

Visit **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 **xerox.com/office**.