Xerox® WorkCentre® 5800 Series with Xerox® ConnectKey® 1.5 Technology

Comparison White Paper

Executive Summary

The information in this document is intended to provide a summary, or where appropriate to avoid duplication, a reference to material that may form the basis of any documentation required to be authored by a technical author that describes how the Xerox® WorkCentre® 5800 series with the Xerox® ConnectKey® Technology is different from its predecessor, the WorkCentre® 5700 series with the Xerox® Smart Controller software.

This white paper is intended to provide a technology overview to help field personnel and IT organizations to understand the similarities and differences between the WorkCentre 5800 series and WorkCentre 5700 series. It will also provide information on new features added to the WorkCentre 5800 Series as Xerox continues to build and improve our Xerox® ConnectKey Technology. This will help minimize accreditation efforts so we can more quickly, and cost effectively, introduce the new features and functionality offered by the WorkCentre 5800 series to enhance the customer's work environment.

The information presented in this "evergreen" document is broken into 3 main sections:

- Part I: Product Overview – Provides an introduction to the WorkCentre 5800 series and its value proposition.

- Part II: Technical Considerations – Lists the new features found on ConnectKey enabled MFPs and specific differences on the WorkCentre 5800 series.

- Part III: User Interface Differences between the Xerox® Smart Controller and Xerox® ConnectKey® Technology.

Part I: Product Overview

Product Introduction

The WorkCentre 5800 series value is enhanced with the addition of the innovative Xerox® ConnectKey Technology that will make it easy for users to customize and optimize their unique job processes – helping them find better ways to get their best work done. The WorkCentre 5800 series, with this software platform, offers customers a new level of coherency and ease of use; increased productivity; and intelligent function management. With its coherent design, this platform enables IT managers to make their annual budgets go further, with less overhead, training time, maintenance and support.

Like their predecessors, these powerful office multifunction devices handle a customer's document needs with exceptional speed, optimal efficiency and worry-free security. This innovative use of Xerox technology makes it easy to customize and optimize unique job processes – helping them find better ways to get their best work done.

The following is the value proposition for the WorkCentre 5800 series; some which already exist today and others have been added to support the new 1.5 software.

The features you need for more productivity.

You succeed because you're productive, flexible and reliable. You need an office technology solution that matches those strengths. This is why we designed the Xerox® WorkCentre 5800 series with a powerful mix of features and capabilities that help you get more work done in ways you never imagined.

- Same great features, your choice of speeds. With fast copying and printing – from 45 ppm up to 90 ppm – there are more than enough speeds to meet the needs of any busy workgroup or department.

- Smarter scanning. Single-pass color scanning at up to 200 images per minute enables faster electronic distribution of full-color documents for more effective and impressive communications.

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- Faster initial scan and scanner "home" position in "upper left" of glass, speeds scanning start-up.

- Higher paper capacity, more flexibility. Print more for longer with a total paper capacity of up to 8,700 sheets. Multiple finishing options, from basic to advanced, give you the flexibility your workload requires.

- Exceptional print and copy quality. With better fine-line definition, shadows and highlights, your copies truly look like the original.

- More efficient toner. Smaller XT toner maintains superior image quality while delivering up to 15 % more prints-per-gram in all print and copy modes compared to previous toners. More carbon has been added to the toner for more black dark black solids.

- Walk-up simplicity. Print from and scan to any USB memory device for faster document delivery when you're not at your computer.

- Your print job, your priority. The Print Around feature eliminates extended printing delays by holding a job in need of resources (such as a different paper size) and printing the next job in the queue.

- The powerful processor concurrently processes jobs received, and performs multiple tasks simultaneously.

- A robust job queue allows for job promoting or deleting, and the Print Around feature eliminates extended printing delays by holding a job in need of resources (such as a different paper size) and printing the next job in the queue.

- A re-engineered color touch screen interface features bright, intuitive icons and easy access to major functions directly from the home screen.

- Remote Services works behind the scenes to provide hassle-free, automatic meter reads and supplies replenishment, and proactive maintenance suggestions.

- Xerox® Global Print Driver® lets IT administrators install, upgrade and manage Xerox® and non-Xerox® devices from a single driver while the Xerox® Mobile Express Driver® lets users print from nearly any location. Xerox® Pull Print Driver® lets IT administrators deploy easy-to-manage, single print driver for users of popular "Pull Printing" workflow solutions.

- Less user intervention and downtime due to new, more efficient toner and Xerox® Smart Kit® technology.

Anywhere to Anywhere

- Secure, accurate printing from most mobile devices to any print device regardless of brand with Xerox® Mobile Print Solutions.

- The Remote Control Panel allows you to operate the MFP remotely as if you were standing in front of the device.

- Administrators can connect the WorkCentre 5800 series devices anywhere with a wireless adapter, without the need for network cabling.

- Apple AirPrint provides printing of emails, photos, and important documents directly from an Apple iPhone or iPad with no drivers to install.

- Mopria certification simplifies the mobile printing experience for tablets and smartphones to many printing devices, including the Xerox® WorkCentre 5800 series.

- Xerox® Print Service Plug-in for Android™. This plug-in enables printing to many Xerox® printers and MFPs without the need for third-party apps or additional print drivers.

- Dramatically increase your workflow efficiency by scanning to numerous destinations (email, mailbox, home, network folders, FTP sites and fax servers) and to the latest electronic file formats (text-searchable PDF or XPS).

- Network Server Fax, Internet Fax enablement (to avoid long distance charges) and Walkup Fax with LAN Fax eliminate the need for a dedicated fax machine.

- The Capture/Print, Save and Reprint feature lets you store scanned documents directly on the device for exact reprint later.

- Xerox Extensible Interface Platform® software opens the door to countless Xerox and Partner solutions right from the touch screen.

- The Xerox® WorkCentre 5800 series multifunction printers will go through the certification process for use with software solutions from such industry leaders as Citrix Systems, MEDITECH and Cerner.

- Paper capacity up to 8,700 sheets and multiple finishing options let you add the capabilities that are right for individual workgroups.

- The convenient front-panel USB port makes it fast and easy to print from or scan to any standard USB memory device.

Security Beyond the Box

- Xerox® Standard Accounting helps control costs by monitoring all pages and who produced them.

- Full System Common Criteria (ISO 15408) Certified. Certification ensures that the entire device, not just individual components, conforms to the most stringent security standards and regulations.

- Secure Print prevents unauthorized viewers from seeing documents by holding jobs in the print queue until the user provides identification

- Network authentication restricts access to scan, email and network fax features by validating user names and passwords before use. Audit Log capabilities let you know who sent what, when.

- Xerox Secure Access Unified ID System® uses card-based identification to authenticate authorized users when they insert an ID card.

- WorkCentre 5800 series multifunction printers support the Smart Card technology used by the U.S. Department of Defense for its Common Access Card (CAC) system, which protects against unauthorized access.

- Remotely update your devices with the latest software and security patches and customize functionality to meet your business needs.

- Xerox® CentreWare® Web software manages an entire enterprise-wide print environment – regardless of manufacturer mix – and helps ensure all devices run smoothly and reliably.

- Comprehensive array of security capabilities are built-in to the device.

- McAfee® security provides protection against intrusion.

- Provision and profile printer access with Cisco® Identity Services Engine (ISE).

- Ongoing security monitoring and advisory notifications.

Xerox® WorkCentre® Product Quick Facts

Features	WorkCentre 5700 with Xerox® Smart Controller 1.9	WorkCentre 5800 with Xerox® ConnectKey® Controller
Speed (ppm)	35/40/45/55/65/75/90	45/55/65/75/90
Print and Scan to USB	No	Standard
Illuminated Paper Path	No	Yes
Scanning		
Single Touch Scanning	No	Yes

Single Pass Scan 200ip, Fast Home Position	No	Yes
Scan To: Cloud, SharePoint	No	Option
Print		
Wireless	Yes – Third party only	Yes – Xerox® Wi-Fi Kit
Apple AirPrint™	No	Yes
Earth Smart Print Driver	Standard	Standard
Adv. Toner, Fine Lines, Tone	No	Yes
Illuminated Paper Path	No	Yes
Security		
Image Overwrite/ HD encryption	Option	Standard
McAfee Secure	No	Yes
Cisco TrustSec	No	Yes
SMTP over SSL	No	Yes
Remote Management		
Remote Control Panel	No	Standard
Cost Control		
User Permissions	Standard	Enhanced

Xerox® WorkCentre® 5800 Series Product Questions and Answers

Question	Answer
General	
Are the WorkCentre 5845/5855/5865/5875/5890 additions to the product line, or do they replace any existing products?	The WorkCentre 5800 series replaces the WorkCentre 5700 series.
What are some highlights and key improvements over the previous machines?	The 5800 includes a number of technology, workflow and hardware updates. It starts with our underlying Xerox® ConnectKey Technology and all the value that this platform brings, such as: • Productivity – Remote Control UI • Convenience – Mobile and cloud technology • Cost Control – User Permissions • Security – Leverages our unique partnerships with Cisco and McAfee. Further, an illuminated paper path, new smaller particle toner, new finisher add to the value. The highlights are rounded out with a single-pass 200 ipm scanner.
What is the new technology highlights used in the	ConnectKey Technology brings big benefits to the

WorkCentre 5845/5855/5865/5875/5890?	5800 series and our A3 monochrome MFP family. A combination of 200 ipm scanner, new small particle toner and illuminated paper path, decurler and new finisher are just some of the highlights.
What is a brief summary of the imaging system / engine used in the WorkCentre 5845/5855/5865/5875/5890?	The imaging system has evolved from the WorkCentre 5700 series. New smaller toner particles provide better yields and better mid-tones and highlight details. The yields for the product segment have increased. For example, a customer can expect a 15% yield from their toner and longer life from the customer replaceable xerographic modules.
New Toner Formulation:	
Is the toner chemically grown or conventional pulverized toner?	The WorkCentre 5800 uses a hybrid conventional toner that has been reformulated with smaller particle sizes. This is a dual component development design using a non-magnetic conventional toner.
Anything special about the particle size or shape?	The volume median diameter of the toner is 7.5 microns, which is a smaller size for conventionally made toner. This smaller size gives better image resolution. Additional carbon black has been added.
Does the new toner offer any specific improvements? Please tell us about them.	The carbon black content increased. This means we can effectively give the same image quality by using fewer toner particles and thus have a higher yield per unit weight of toner. The result is more dynamic range, a "blacker black."

Part II: Changes to the Xerox® WorkCentre® 5800 Series with Xerox® ConnectKey® Technology

Software

ConnectKey Technology is a platform and set of software solutions offered on many of our A3 and A4 Xerox® MFPs. They were initially announced in February of 2013. It was designed for one purpose: to simplify the way work gets done. ConnectKey offers flexibility, simplicity and security – all of which allows our customers to focus more on what matters most: their real business. This common software provides an opportunity for feature coherency across many of the Xerox® MFP products.

Note: The WorkCentre 5800 series software releases are not backwards compatible to the WorkCentre 5700 series.

ConnectKey 1.5 Technology Features

In May of 2014, Xerox updated ConnectKey Technology with a free upgrade that provided new solutions and features to further enhance the offering. Also in May, we announced to the public the ConnectKey 1.5 Technology will be available on new devices shipping in the September timeframe.

The following are the features available with the ConnectKey 1.5 Technology upgrade.

Convenience

Mopria™ Certified

- The WorkCentre 5800 series is Mopria certified. Mopria certification ensures you can print wirelessly from your Mopria supported smart phone, tablet and other mobile devices instantly and easily without any setup.
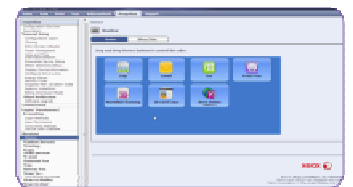
Xerox® Print Service Plug-in for Android™

- This plug-in enables printing to many Xerox® printers and MFPs without the need for third-party apps or additional print drivers.

Rearrange Service icons

- For greater ease of use and customization, the service buttons on the User Interface can be moved into any order.

Printing: Scale PCL6 between common metric and US paper sizes

- ConnectKey enabled MFPs provide the ability to scale PCL files (PS was already enabled) between common metric and US paper sizes. This feature simplifies the use of ConnectKey products worldwide with customers who regularly do business globally and receive documents in both metric and US sizes. Print image scaling is enabled/disabled via the WEB UI (Default is disabled) and is a clone-able setting.

ConnectKey® for DocuShare®

- Xerox® ConnectKey for DocuShare, a one-step scan-to-workflow solution, simplifies the process of incorporating hard copy content into enterprise document flows. Users can easily scan documents directly into a DocuShare collection or Windows folder via a multifunction printer.

Xerox Extensible Interface Platform® 3.0: Simplifying Our Powerful Solutions for Our Partners and Customers
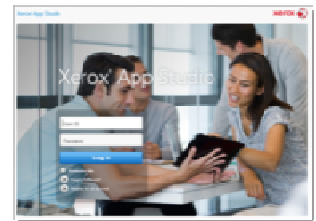
- Adds WebKit browser support to improve Partner development experience and improve the User experience. The WebKit provides…

  – A robust and fast browser

Rearrange Service Icons

- Better coherence to industry standards

- Compatibility with modern libraries such as jQuery

- Support for standard versions of underlying WWW technologies including support for AJAX

- The ability to select HTML5 capabilities such as Canvas, Local Storage

- Allows extended device configuration through EIP solutions.

- Further extends facilities for Xerox Extensible Interface Platform® solutions in Small and Medium businesses without a need for infrastructure.

- Further extends capabilities of scan to cloud solutions with increased connectivity.

- Further extends facilities to manage jobs with added Secure Print support.

- Provides improved Java samples and support within the SDK.

Productivity
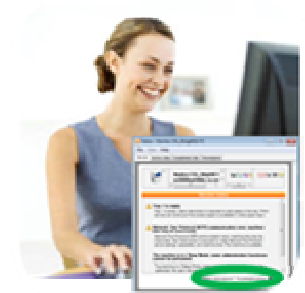
Xerox® ConnectKey Apps and App Studio

- Xerox® ConnectKey Apps, created using App Studio, allows Xerox and Xerox partners to work with customers to provide customized buttons on the User Interface to help with scanning. This improves customer's everyday business processes, while at the same time offering additional advantages to maximize their investment.

Online Support Built into the Print Driver

- Online Support is also available from the Print Driver, where it gathers information stored in the printer, examines the information, diagnoses the issue and collects relevant solutions from the Xerox knowledge base. From there it either returns a solution specific to the problem or walks a user through a troubleshooting tree. So users are now able to troubleshoot printer issues directly from print driver without having to walk to the device.

Cloning Improvements

- Single touch scan settings can be cloned and cloning permissions are on by default. The Administrator can configure the system so that clone files are accepted while other DLMs are not (weblets / SW upgrade files). Cloning was disabled in ConnectKey launch code due to software upgrade vulnerability, but this fix allows for less IT time required to configure a fleet of MFPs.

User Interface Improvements

- All of native services - Copy, ID card Copy, Workflow Scanning are pre-loaded during power up. Xerox Extensible Interface Platform Services are not preloaded.

Client Integration

- Basic support for .HPS (Hewlett -Packard WebPrintSmart) file (equivalent to HP4345 scan attributes file).

- Integrates within HP scan workflow to Enterprise Document Management system.

- SMB Filing is available with Win8/Server12 and Mac OS10.7.

- Adds email address to Xerox XST (Xerox Standard Ticket).

Other Productivity Features

- All supported fields of DHCP Option 60 must be capitalized

- Implement LDAP server mappings to Smartcard Domain Controllers

- Disable the Machine Assistant button on the LUI when remote services Not Enrolled or not configured

- GPD print drivers in Arabic

App Studio

Online Support in Driver

- The UI 'Installed Options' screen has consistent wording with the configuration sheet and CWIS configuration page.

Cost Control

Xerox® Standard Accounting Improvement

- Xerox® Standard Accounting supports up to 32 characters for group/general IDs.
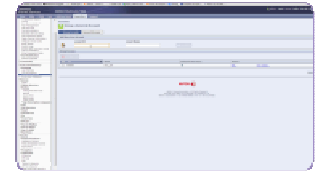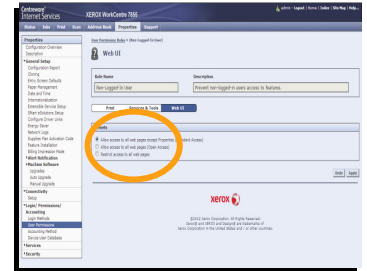

Xerox® Standard Accounting

Security

Additional Support for Authentication

- AET SafeSign IC JCOP smart card
- Elatec TWN4 programmable reader
- Honeywell 3800G04
- Motorola DS457 & DS9208 (2D barcode)

Compliance with Customer's IT / Security Policies

- Xerox® CentreWare® Internet Services can be set to be available to admin only

CentreWare IS Set to Admin Only

Environmental

Sustainability Additions

- LAN FAX confirmation only by email
- No error page when original size undetected for scan

ConnectKey Technology Existing Controller Features

From the first launch of this platform, it has provided many other features that are meant to allow today's workers to have a powerful tool to help them get their work done. There are features designed to enable mobile workers to connect and print from where they need to. Other features help companies to simplify their document processing and to provide automation to save money. And with security always an issue in workplaces, IT managers will have software components that have been designed for online connectivity and to increase security protection for today's world demands.

The following are highlights of the existing features on the WorkCentre 5800 series with ConnectKey Technology.
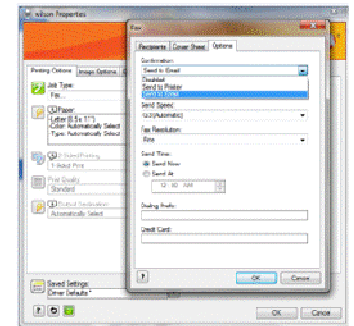
LAN Fax Confirmation Only by Email

Color Touchscreen User Interface

Convenience

8th Generation User Interface (See Part III: User Interface Differences)

- A color touch screen interface features bright, intuitive icons and easy access to all major functions directly from the home screen. The new software provides larger touch points for better ease of use, and the common design allows users to learn one device once, and then be able to use any ConnectKey enabled device.

8th Generation Xerox® Common Print Driver (See Part III: User Interface Differences)

- The new design helps to make features quicker and easier to find. It also provides a common user experience across product lines.
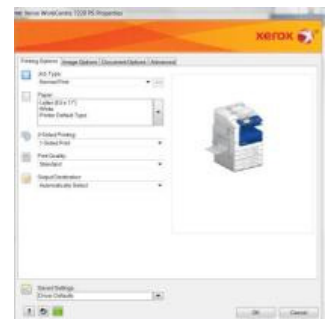
Common Print Driver

Wi-Fi Kit

- A wireless kit is available to enable simple wireless connectivity of the device so you can use it where you can't access or add a hard wire. This puts your device where you need it, not where the network drops are. It also saves money in avoiding excess infrastructure costs needed to add additional network drops. And finally it allows for a flexible workspace. The device can quickly be moved throughout the office without needed to be reconfigured on the network.

Apple® AirPrint™

- Print email, photos and important office documents directly from your Apple iPhone® or iPad® with no drivers to install and no cables to connect. With AirPrint, your iPhone or iPad automatically locates and connects to the AirPrint-enabled WorkCentre 5800 series device over your office Wi-Fi network.

Illuminated Paper Path for easy visibility inside the device.

User Friendly Platen Behavior for Non-standard Originals

- Our new behavior from the platen means you can override auto size detection for single page platen originals and "just scan it" without the machine reporting it is unable to determine original size. This reduces the hassle factor for platen scanning.

Productivity

Unified Address Book with Favorites

- Walkup users and administrators can establish and add to on-the-fly a standard address book available from the email, scan to and fax buttons. This provides users with simple, consistent address book functionality across a fleet and it enables a default public address book at the device. Add this with a new favorite's button and users can quickly select frequently used contacts. This address book can be copied and sent to other ConnectKey enabled devices, as well as copying and using address books from other competitive devices.

Remote Control Panel

- This feature provides the ability to remotely view and operate the device's user interface – similar to how help desks remote into a user's PC. You can control the machine remotely in the same way as if you were standing next to it. This allows for remote device administration and troubleshooting, as well as simple sharing of the user interface for training users.
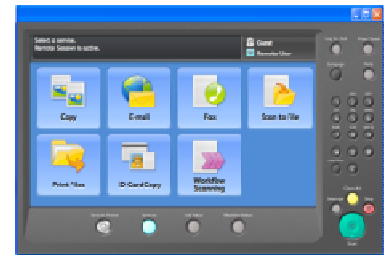
Single Touch Scan

- Using this feature, you can create up to 10 dedicated scan buttons on the front panel that are associated with a Workflow Scanning template. This button can be customized with a unique name, logo, and color scheme that compliments the corporate branding. It is at the top level of the front panel so it encourages the use of scanning.

Microsoft® Windows® 8 Compatibility ID

- Devices are available at launch with V4 drivers.

Unified Address Book with Favorites

Remote Control Panel

Single Touch Scanning

Security

McAfee® Embedded Security

- This software is standard and allows only an approved, predefined list of applications, code, and software files run on the device. The McAfee agent is Xerox factory installed and is similar to what is likely loaded on your PC today. It monitors in the background for any changes to Xerox factory default system applications used to operate the device.

McAfee Integrity Control

- This optional, commercial application supports a higher level of whitelisting and change control, or 'dynamic whitelisting'. This protects the device executable files from tampering and identifies trusted sources, controls what can change, who can change, and when it can change.

Cisco® TrustSec Integration

- TrustSec services integration allows our devices to provide more visibility to core information in the network and tighter security policy enforcement. We integrate with Cisco TrustSec to allow access to our device to be fully controlled and stay compliant with industry and government regulations. It increases security and reduces administration overhead by automatically classifying MFP and printers connecting to the network.
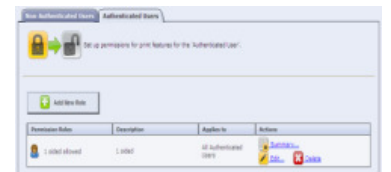
Software Verification Test

- You can run a verification check from Xerox® CentreWare® Internet Services (CWIS) that ensures the integrity of the machine's stored executable code. This tests the firmware, and verifies the dlm package is not corrupt. It can be executed on demand by the administrator as needed.

256-bit encryption is now on by default from the factory.

McAfee Embedded Security

Software Verification Test

Cost Control

User Permissions with Active Directory Integration

- Our unique feature restricts access to device features – both print and walkup services. This ensures printing only from authorized users and restricts unauthorized user from printing to the device. An added benefit is it can now be integrated with your active directory. If needed, this complies with some companies' security policy to always print with Secure Print job type and meets corporate sustainability efforts for reducing costs. And users know their restrictions because the print driver automatically reflects their authorized use.

Xerox® Standard Accounting improvements

- Administrators can configure Xerox® Standard Accounting via .csv file and to deliver it to the device via USB or CWIS.

Job Based Accounting (JBA) improvements

- New JBA features allow our network accounting to be set with Job Limits, and we offer a non-driver version for mainframes.

User Permissions with Active Directory Integration

Xerox® Standard Accounting

Environmental

Cisco® EnergyWise Integration

- Cisco EnergyWise is an energy management protocol for monitoring, controlling, and reporting the energy use of information technology and facilities equipment. Cisco EnergyWise enables companies to measure and manage the power consumption of network infrastructure and network-attached devices, thereby reducing power consumption to realize increased cost savings, and potentially affecting any network-

connected device. Cisco EnergyWise is supported through Xerox ConnectKey-enabled multifunction printers.

Additional Xerox® WorkCentre® 5800 Specific Differences

As mentioned previously, ConnectKey Technology has been adopted as the basis for development of the WorkCentre® 5800 Series. The intent is to provide an opportunity for feature coherency across the Xerox® product range. Beyond the new features that ConnectKey brings to this series, there are some hardware differences that are unique from the other ConnectKey devices. The following is the specific differences from the 5700 to the 5800 Series.

On-board customer documentation

- The WorkCentre 5800 has a Quick Use Guide available to print from local user interface. The User Guide and System Administrator guides are no longer available there. They are available at **www.xerox.com**.

Power Management

- The WorkCentre 5800 meets:
  - ENERGY STAR®
  - EPEAT (United States) Bronze (post launch)
- Lower power consumption

	5735	5740	5745	5755	5765	5775	5790
Running	≤ 1130 watts / hour	≤ 1230 watts / hour		≤ 1330 watts / hour	≤ 1640 watts / hour	≤ 1690 watts / hour	≤ 1840 watts / hour
Standby Mode	≤ 300 watts / hour				≤ 320 watts / hour		≤ 340 watts / hour

|	5845	5855	5865	5875	5890
Running	≤ 1150 watts	≤ 1250 watts	1,550 watts / hour	1,600 watts / hour	1,650 watts / hour
Standby Mode	≤ 290 watts / hour		≤ 310 watts / hour		

Scanning

- 200 images per minute (ipm) single-pass scanner (color and black-and-white) for faster scanning
- Scanner "home" position is oriented for quicker initial copy/scan. This allows quick and immediate scanning with the RDH
- Scan document "home" position is upper left, consistent with other Xerox® devices.
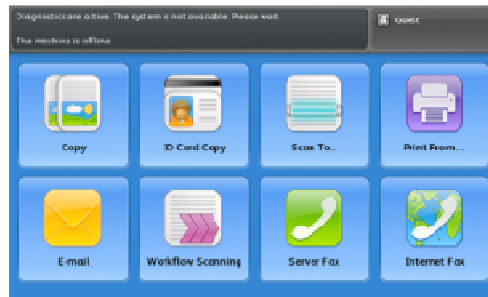
Part III: User Interface Differences between the Xerox® Smart Controller and Xerox® ConnectKey® Technology

User Interface – Differences between Xerox® Smart Controller 1.9 and Xerox® ConnectKey® Technology
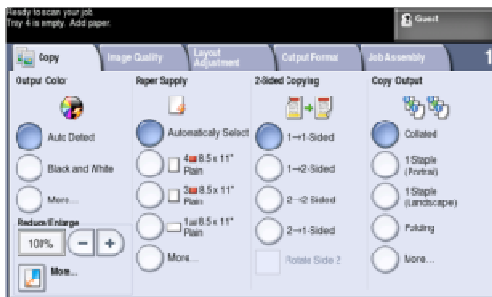
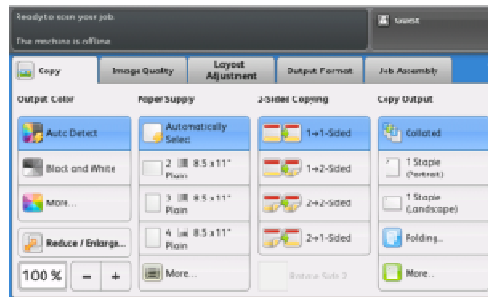**Services Home Pathway**
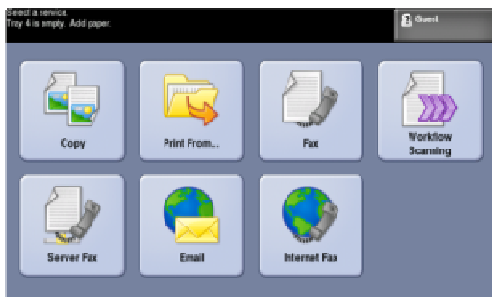
Smart Controller 1.9   ConnectKey Technology
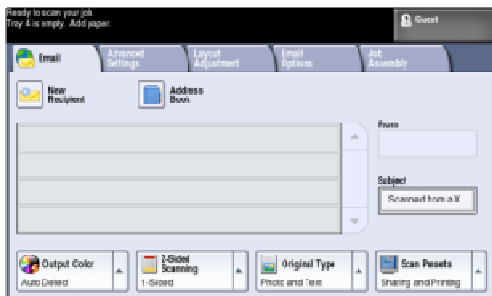
Copy Service

Smart Controller 1.9   ConnectKey Technology
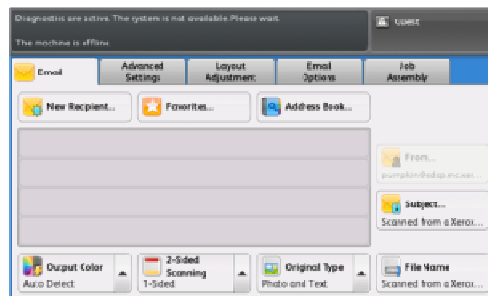
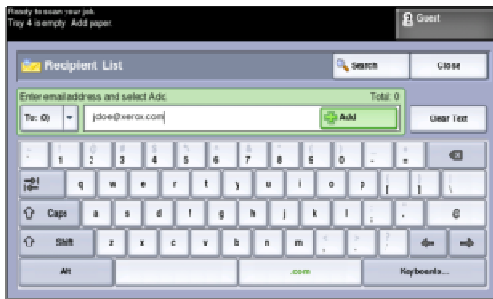**Email Service**

Smart Controller 1.9   ConnectKey Technology

Keyboard

Xerox® Smart Controller 1.9
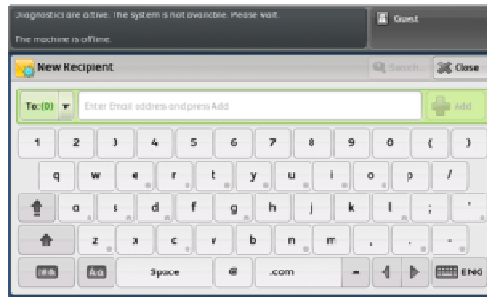
Xerox® ConnectKey® Technology

Job Status Pathway

Smart Controller 1.9
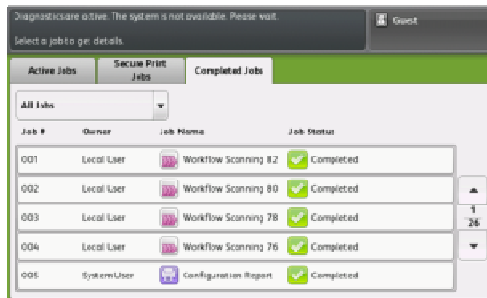
ConnectKey Technology

Machine Status Pathway

Smart Controller 1.9

ConnectKey Technology

Xerox® CentreWare® Internet Services – Differences between Xerox® Smart Controller 1.9 and Xerox® ConnectKey® Technology Administrative Screens

Address Book
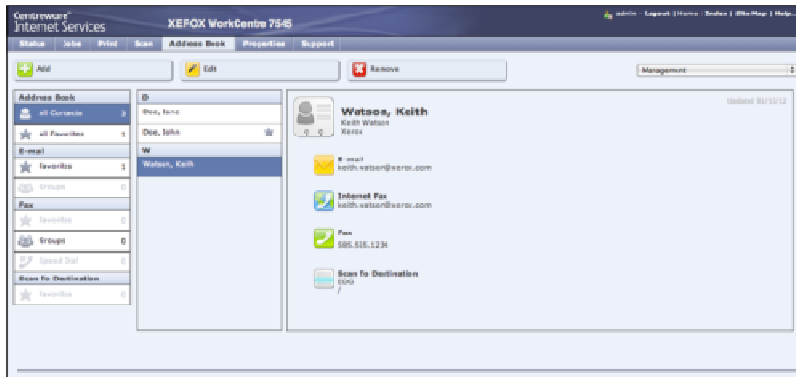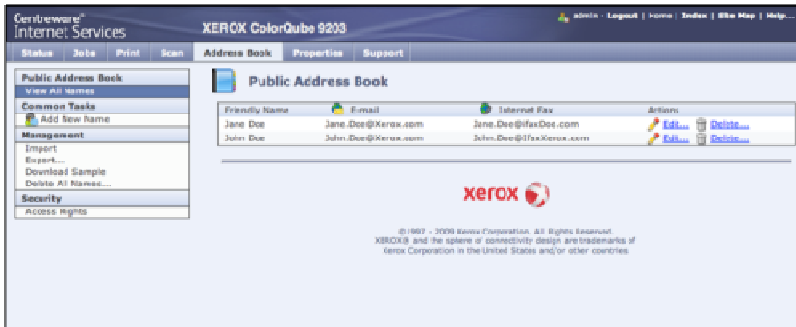
Revamped AAA CWIS pages (Authentication, Authorization, Accounting)

1) Display a new grouping at the top-level of the Properties Tree to better advertise the device's authentication, authorization and accounting configuration options.

2) Logically group the capabilities together to help communicate the relationships and dependencies between the options.

3) Logically group all options for each capability on their own page reducing visual complexity.

Xerox® Smart Controller 1.9

Xerox® ConnectKey® Technology

Print Drivers

Xerox has put a lot of thought into enhancing the user experience of our driver. Below are a few of our motivations behind this design.

- Reduce complexity, making features quicker and easier to find
- Rearrange features in a more logical order
- Group administrator only features, for ease of administration
- Create a common user experience across product lines
- Allow for new feature space

Visual Updates to Graphics
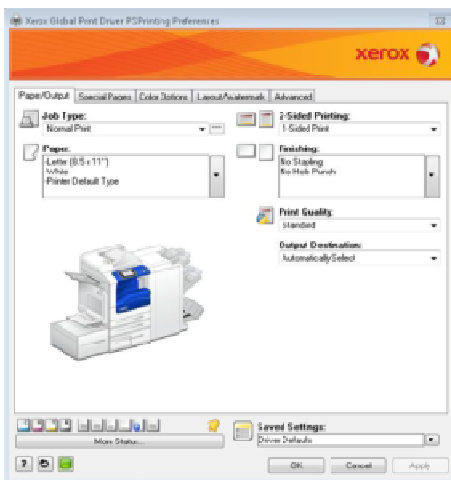
Paper / Output
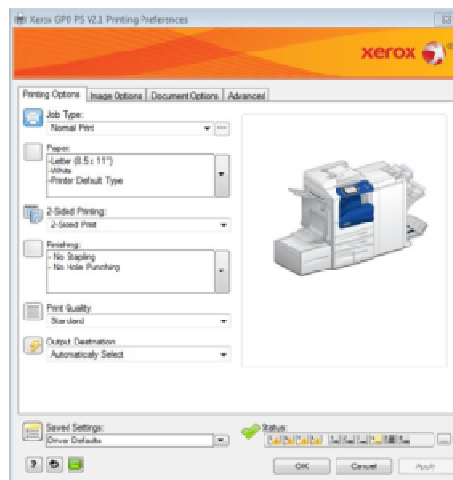
Printing Options
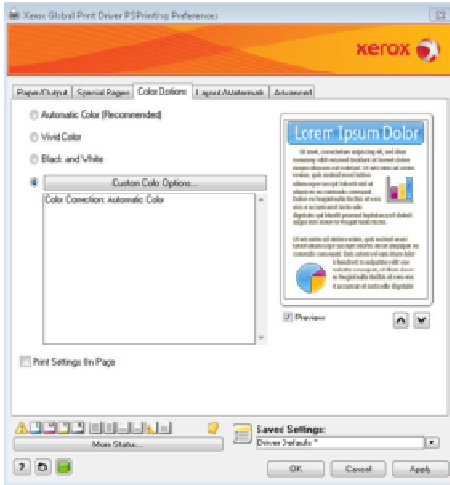
Color Options
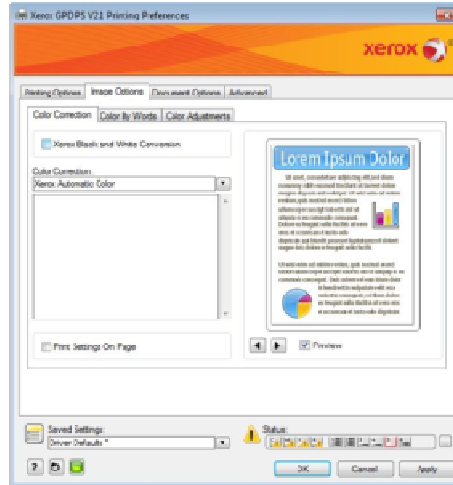
Image Options

Appendix A: Technical Considerations to Choosing a Xerox® WorkCentre® 5800 Series

Same	A white background means this is a common shared feature between the WorkCentre 5800 series with Smart Controller and WorkCentre 5800 series with ConnectKey Controller.
Updated	A light turquoise background means this feature is different from the WorkCentre 5700 series with Smart Controller.

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
System	1.2 GHz Freescale dedicated	1 GHz Dual-core
	System Disk 160 GB	System Disk 160 GB
	Network Printing – Network Controller	Network Printing – Network Controller
	Processor 1.5 GHz	Processor 1 Dual-core GHz
Performance		
First-copy-out Time (as fast as)	5735: 4.7 seconds 5740/5745/5755: 3.4 seconds 5765/5775/5790: 2.7 seconds	5845/5855: 3.7 seconds 5865/5875/5890: 2.9 seconds
Warm-up Time	30 seconds	30 seconds
Output Speed (ppm)		
Letter-A4 / Legal / Tabloid-A3	5735: 35 / 25 / 21 5740: 40 / 36 / 31 5745: 45 / 36 / 31 5755: 55 / 36 / 31 5765: 65 / 49 / 42 5775: 75 / 49 / 42 5790: 90 / 54 / 46	5855 : 55 / 35.9 / 31.1 5845 : 49 / 35.9 / 31.1 5865 : 65.2 / 49.2 / 42 5875 : 75 / 49.2 / 42 5890 : 90 / 54.1 / 46.5
Front Panel Languages		
Catalan	Yes	Yes
Czech	Yes	Yes
Danish	Yes	Yes
Dutch	Yes	Yes
English	Yes	Yes
Finnish	Yes	Yes
French	Yes	Yes
German	Yes	Yes
Greek	Yes	Yes
Hungarian	Yes	Yes

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
Italian	Yes	Yes
Norwegian	Yes	Yes
Polish	Yes	Yes
Portuguese	Yes	Yes
Romanian	Yes	Yes
Russian	Yes	Yes
Spanish	Yes	Yes
Swedish	Yes	Yes
Turkish	Yes	Yes
Print Specifications		
Print From USB		Yes (PDF, XPS, JPEG, TIFF)
Printer Languages	Adobe® PostScript® 3™	Adobe PostScript 3
	TIFF	TIFF
	PCL® 5c emulation	PCL 5c emulation
	PS-PDF: v1.7	PS-PDF: v1.7
	PCL 6 emulation	PCL 6 emulation
	HP-GL2™	HP-GL2
	XPS®	XPS Optional
Network Printing – Resolution	5745, 5755: 4800 x 600 dpi, 256 shades of gray, 1200 x 1200 emulation	5845, 5855: 4800 x 600 dpi, 256 shades of gray, 1200 x 1200 emulation
	5765, 5775, 5790: 4800 x 1200 dpi, 256 shades of gray,	5865, 5875, 5890: 4800 x 1200 dpi, 256 shades of gray
Features	Earth Smart Print Driver	Earth Smart Print Driver
	Print Calibration	Print Calibration
	Secure Print Pin and User ID	Secure Print Pin and User ID
	Delay Print (specific time)	Delay Print (specific time)
	Sample Set	Sample Set
	Booklet Creation	Booklet Creation
	Cover Selection	Cover Selection
	Covers, Inserts and Exception Pages	Covers, Inserts and Exception Pages
	Store File in Folder	Store File in Folder

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Paper Selection by Attribute (Including Transparency Separators)	Paper Selection by Attribute (Including Transparency Separators)
	N-up (16) / Multi-up	N-up (16) / Multi-up
	Stapling (requires Office Finisher or High Volume Finisher) Office Finisher: 50 sheets (single, dual) High Volume Finisher: 100 sheets (single, dual, multiple)	Stapling (requires Office Finisher or High Volume Finisher) Office Finisher: 50 sheets (single, dual) High Volume Finisher: 100 sheets (single, dual, multiple)
	Hole Punch (requires Office Finisher or High Volume Finisher) North America: 3-hole or 2-hole Legal Europe: 2-hole, 4-hole, or 4-hole "Swedish"	Hole Punch (requires Office Finisher or High Volume Finisher) North America: 3-hole or 2-hole Legal Europe: 2-hole, 4-hole, or 4-hole "Swedish"
	Booklet Fold / V Folding (requires High Volume Finisher with Booklet Maker option)	Booklet Fold / V Folding (requires High Volume Finisher with Booklet Maker option)
	Watermark	Watermark
	Fit to New Paper Size	Fit to New Paper Size
	Transparency Separators	Transparency Separators
	Banner Sheet Enable/Disable	Banner Sheet Enable/Disable
	Ability to Print User ID in Margins of First Page or Each Page of Job	Ability to Print User ID in Margins of First Page or Each Page of Job
	Output Tray Selection	Output Tray Selection
	Image Quality	Image Quality
	Draft Mode	Draft Mode
	Store and Recall Driver Settings	Store and Recall Driver Settings
	Reduce/Enlarge	Reduce/Enlarge
	Mirror Image	Mirror Image
	Margins	Margins
	Bi-Directional Status	Bi-Directional Status
	Two-sided Printing	Two-sided Printing
	Scaling	Scaling
	Overlays	Overlays
	Print to Fax (requires optional Fax Kit)	Print to Fax (requires optional Fax Kit)

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Hold All Jobs	Hold All Jobs
Connectivity	Ethernet 10/100/1000Base-T	Ethernet 10/100/1000Base-T
	High-speed USB 2.0 Printer Port	High-speed USB 2.0 Printer Port
	Wireless Ethernet (IEEE 802.11b) via third-party adapters	Wireless Ethernet (IEEE 802.11b/g/n) (optional Xerox adapter)
Client Operating Systems	Microsoft® Windows® XP® 32-bit, XP 64-bit, Windows Server 2003 32-bit, Windows Server 2003 64-bit, Windows Server 2008 32-bit, Windows Server 2008 64-bit	Microsoft Windows XP 32-bit, XP 64-bit, Windows Server 2003 32-bit, Windows Server 2003 64-bit, Windows Server 2008 32-bit, Windows Server 2008 64-bit
	Windows Vista 32-bit, Windows Vista 64-bit	Windows Vista 32-bit, Windows Vista 64-bit
	Windows 7 32-bit, Windows 7 64-bit	Windows 7 32-bit, Windows 7 64-bit, Windows 8 when Microsoft launches
	Mac® OS 10.3 and above	Mac OS 10.4 and above
	IBM® AIX® 5Iv5.3	IBM AIX 5Iv5.3
	HP-UX® 11.0, 11i v2	HP-UX 11.0, 11i v2
	Solaris® 9, 10	Solaris 9, 10
	Linux® Fedora® Core 1-7	Linux Fedora Core 1-7
	Red Hat® Enterprise Linux 4	RedHat Enterprise Linux 4
	SUSE® 10.x	SUSE 10.x
Network Protocols	TCP/IP: IPv4/IPv6, FTP/sFTP, HTTP/HTTPS, Internet Printing Protocol, LPR/LPD, Raw Socket Printing/Port 9100, WSD	TCP/IP: IPv4/IPv6, FTP/sFTP, HTTP/HTTPS, Internet Printing Protocol, LPR/LPD, Raw Socket Printing/Port 9100, WSD
	Netware: Bindery and NDS IPX/SPX, NDPS®/NEPS (with Server Gateway)	NetWare: Bindery and NDS IPX/SPX, NDPS/NEPS (with Server Gateway)
	AppleTalk®: EtherTalk®	AppleTalk: EtherTalk
	Microsoft Windows Networking over IP	Microsoft Windows Networking over IP
	(All protocols not in use can be disabled)	(All protocols not in use can be disabled)
Administrative Protocols	Bonjour, DHCP, BOOTP, SNMP, WINS, DDNS, SLP® v2, HTTP, RARP, DHCP Autonet, SSL, NTP	Bonjour, DHCP, BOOTP, SNMP, WINS, DDNS, SLP v2, HTTP, RARP, DHCP Autonet, SSL, NTP
Fonts	Postscript 3: 173 Type 1 fonts, 2 Multiple Master fonts	PostScript 3: 173 Type 1 fonts, 2 Multiple Master fonts

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	PCL: 94 scalable fonts, line printer bitmap font (including Cyrillic font support)	PCL: 94 scalable fonts, line printer bitmap font (including Cyrillic font support)
	Printer Drivers Environment PCL5c and PCL 6 PostScript	Printer Drivers Environment PCL5c and PCL 6 PostScript
Print Drivers		
Drivers	Windows 2003/XP 32 Bit	Windows 2003/XP 32 Bit
	Windows 2003/XP 64 Bit	Windows 2003/XP 64 Bit
	Windows Vista/Vista 32 Bit	Windows Vista/Vista 32 Bit
	Windows Vista/Vista 64 Bit	Windows Vista/Vista 64 Bit
	Windows 7 / 2008 32 Bit	Windows 7 / 2008 32 Bit
	Windows 7 / 2008 64 Bit	Windows 7 / 2008 64 Bit
	Not available	Windows 8 32-bit upon Microsoft launch
	Not available	Windows 8 64-bit upon Microsoft launch
	(Microsoft certified)	(Microsoft certified)
	Macintosh OS 10.3.0 and above N/A Enhanced PPD file	Macintosh OS 10.5.0 and above
	UNIX N/A Bi-directional with Xerox® Custom	UNIX
	Xerox® Mobile Express Driver® Postscript only	Xerox® Mobile Express Driver Postscript only
	Xerox® Global Print Driver®	Xerox® Global Print Driver
Print Submission Tools	Command prompt LPR/UNIX tool for print submission	Command prompt LPR/UNIX tool for print submission
Device Management	Management Support: SNMP Version 1, SNMP v2c and v3 trap over TCP/IP and IP MIB access (IETF-MIB II RFC 1213), Host Resources MIB RFC 2790, Printer MIB RFC 1759 v2	Management Support: SNMP Version 1, SNMP v2c and v3 trap over TCP/IP and IP MIB access (IETF-MIB II RFC 1213), Host Resources MIB RFC 2790, Printer MIB RFC 1759 v2
	Xerox® CentreWare® Web 5.2	Xerox® CentreWare Web 5.8 when launched
	IP Filter	IP Filter
	Xerox® Device Manager	Xerox® Device Manager
	Xerox® Device Types for SAP R/3 Environment Information available at **www.xeroxofficesapsolutions.com**	Xerox® Device Types for SAP R/3 Environment Information available at **www.xeroxofficesapsolutions.com**

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Xerox® SAP R/3 Intelligent Barcode Utility (Optional) Information available at **www.xeroxofficesapsolutions.com**	Xerox® SAP R/3 Intelligent Barcode Utility (Optional) Information available at **www.xeroxofficesapsolutions.com**
	Xerox® Barcode Pro PS Information available at **www.xeroxofficesapsolutions.com**	Xerox® Barcode Pro PS Information available at **www.xeroxofficesapsolutions.com**
	Xerox® CentreWare® Internet Services – Integrated Device Web Page	CentreWare Internet Services – Integrated Device Web Page
	Remote Services – Xerox® MeterAssistant®	Remote Services – MeterAssistant
	Remote Services – Xerox® SuppliesAssistant®	Remote Services – SuppliesAssistant
	Remote Services – MaintenanceAssistant	Remote Services – MaintenanceAssistant
	Not available	Remote Control Panel Access
	Not available	May remotely modify power saver timeouts
	Fax and paper attributes configurable at the front panel	Fax and paper attributes configurable at the front panel and CWIS
Fax Specifications		
Network Fax Server Integration	Standard	Standard
Fax Send Features	One-sided, two-sided, or two-sided rotate side 2	One-sided, two-sided, or two-sided rotate side 2
	Phone number entry	Phone number entry
	Add to send list - Tested to > 140	Add to send list (> 140 numbers maximum)
	Delay send (specific time)	Delay send (specific time)
	ITY (CCITT) group 3 quality/resolution superfine/600x600, fine/200x200, standard/200x100 dpi	ITY (CCITT) group 3 quality/resolution superfine/600x600, fine/200x200, standard/200x100 dpi
	Original type (photo, text, or photo and text)	Original type (photo, text, or photo and text)
	Build Job	Build Job
	Speed Dial	Not available – has been replaced with favorites
Fax Print Features	One- or two-sided printing	One- or two-sided printing

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Staple on/off	Staple on/off
Fax (Optional)	Not available for Server fax specifically	Finisher output tray selection (top tray or main tray)
	1 line or 2 line	1 line or 2 line
	ITU (CCITT) Group 3 Quality/Resolution Superfine: 600 x 600 Fine: 200 x 200 Standard: 200 x 100 dpi	ITU (CCITT) Group 3 Quality/Resolution Superfine: 600 x 600 Fine: 200 x 200 Standard: 200 x 100 dpi
Speed/Modem(s)	V.34 modem(s): 33,600 bps. Less than four seconds per page transmission time. ISDN via third-party adapter.	V.34 modem(s): 33,600 bps. Less than four seconds per page transmission time. ISDN via third-party adapter.
Speed/Compression	G3/Super G3 MH / MR / MMR / JBIG	G3/Super G3 MH / MR / MMR / JBIG
Fax Send Features	Fax from Print Driver	Fax from Print Driver
	Auto Fax Transmission Reduction	Auto Fax Transmission Reduction
Fax Receive Features	Page-by-page Job Status at the Machine	Page-by-page Job Status at the Machine
	Delay Start	Delay Start
	Automatic Memory Resend	Automatic Memory Resend
	Automatic Cover Sheets	Automatic Cover Sheets
	Priority Send	Priority Send
	Broadcast	Broadcast
	Booklet Scan	Booklet Scan
	PSTN Fax	PSTN Fax
	Internet Fax – Standard	Internet Fax – Standard
	Build Job	Build Job
	Speed Dial	Not Available – Fax Contact Favorites Supported
	LAN Fax	LAN Fax
	One or Two-sided Printing	One or Two-sided Printing
	Reduction at Reception to Fit Available Paper	Reduction at Reception to Fit Available Paper
Fax Forward	Staple and Hole Punch On/Off	Staple and Hole Punch On/Off
	Finisher Output Tray Selection (Top Tray or Main Tray)	Finisher Output Tray Selection (Top Tray or Main Tray)

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Junk Fax Prevention	Not Available
	Secure Fax All incoming faxes are held until released at LUI with a customer-set PIN.	Secure Fax All incoming faxes are held until released at LUI with a customer-set PIN.
	Forward to: Email and FTP or SMB Location	Forward to: Email and FTP or SMB Location
Fax Reports	Activity Report	Activity Report
	Dial Directory, Group Directory	Fax Address Book Report (includes fax contacts and groups)
Fax Receive Mailboxes Auto Dialing	Transmission Confirmation	Transmission Confirmation
	Pending Fax Jobs	Pending Fax Jobs
	Options Report	Options Report
	On Demand Overwrite Report	On Demand Overwrite Report
	Up to 200 Password-protected Mailboxes	Up to 200 Password-protected Mailboxes
	Auto Redial, Batch Send	Auto Redial, Batch Send
Single Line Option	Total of 200 address book entries dials (single-line option)	Unlimited address book entries (up to 5,000 Device Address Book contacts)
	Up to 100 dial groups with up to 200 recipients per group (single line option)	Unlimited dial groups with unlimited recipients per group (up to 5,000 total Device Address Book contacts).
Internet Fax Maximum Scan Area	Up to 200 dial groups with up to 400 recipients per group (two line option)	Unlimited dial groups with unlimited recipients per group (up to 5,000 Device Address Book total contacts).
	Standard (Fax Card Option not required)	Standard (Fax Kit not required)
	Ledger (A3/297 x 420 mm)	Ledger (A3/297 x 420 mm)
Address Directory Access	Via LDAP or Downloaded address list (comma-separated value file format)	Via LDAP or Downloaded address list (comma-separated value file format)
File Formats	Send: Multi-page TIFF, PDF, PDF/A Receive: TIFF, MTIFF, PDF, PDF/A, PS, text, PCL, PRN, JPG	Send: Multi-page TIFF, PDF, PDF/A Receive: TIFF, MTIFF, PDF, PDF/A, PS, text, PCL, PRN, JPG
Resolution	600 x 600 dpi	600 x 600 dpi
	400 x 400 dpi	400 x 400 dpi

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	300 x 300 dpi	300 x 300 dpi
	200 x 200 dpi	200 x 200 dpi
	150 x 150 dpi	150 x 150 dpi
	100 x 100 dpi	100 x 100 dpi
	72 x 72 dpi	72 x 72 dpi
	Bit Depth: 1 bit (black-and-white)	Bit Depth: 1 bit (black-and-white)
Network Protocols	SMTP (send)	SMTP (send)
	POP3 (receive)	POP3 (receive)
Scan Specifications		
Concurrency	Scan while the system is copying, printing or while it is transferring scan to network or fax jobs – priority is for return of scanned originals and printing concurrent jobs.	Scan while the system is copying, printing or while it is transferring scan to network or fax jobs – priority is for return of scanned originals and printing concurrent jobs.
Document Handler Capability	100 sheets	200 sheets
Input Speed	Scan at 84 ipm black-and-white / 60 ipm color (210 x 297 mm / A4 long edge feed)	Scan at up to 200 ipm color scanning and black-and-white – 8.5 x 11 in. / A4 LEF
Paper Sizes Sensed	5.5 x 8.5 in to 11 x 17 short-edge feed (SEF) or 5.5 x 8.5 in. to 8.5 x 11 in. long-edge feed (LEF) (A5/148 x 210 mm to A3/297 x 420 mm SEF or A5 /148 x 210 mm to A4/210 x 297 mm LEF)	5.5 x 8.5 in to 11 x 17 short-edge feed (SEF) or 5.5 x 8.5 in. to 8.5 x 11 in. long-edge feed (LEF) (A5/148 x 210 mm to A3/297 x 420 mm SEF or A5 /148 x 210 mm to A4/210 x 297 mm LEF)
Weights	13 lb. bond to 43 lb. bond (50 to 160 gsm	13 lb. bond to 43 lb. bond (50 to 160 gsm
Resolutions	600 x 600 dpi	600 x 600 dpi
	400 x 400 dpi	400 x 400 dpi
	300 x 300 dpi – Default	300 x 300 dpi
	200 x 200 dpi	200 x 200 dpi – Default
	150 x 150 dpi	150 x 150 dpi
	100 x 100 dpi	100 x 100 dpi
	72 x 72 dpi	72 x 72 dpi
	Bit depth: 1-bit (black-and-white), 8-bit (grayscale), 24-bit (color)	Bit depth: 1-bit (black-and-white), 8-bit (grayscale), 24-bit (color)

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
Maximum Scan Area	Ledger (A3/297 x 420 mm)	Ledger (A3/297 x 420 mm)
Authentication	Optional secure device login with network user name and password	Optional secure device login with network user name and password
	Supports: Kerberos (Windows 2000/UNIX/Windows Server 2003), SMB (Windows 2000/Windows Server 2003/Vista), NDS	Supports: Kerberos (Windows 2000/UNIX/Windows Server 2003), SMB (Windows 2000/Windows Server 2003/Vista), NDS
Network Protocol	LDAP	LDAP
	FTP via TCP/IP	FTP via TCP/IP
	sFTP via TCP/IP	sFTP via TCP/IP
TWAIN Support	No	Yes- still push not pull
File Formats	Microsoft SMB via TCP/IP	Microsoft SMB via TCP/IP
	HTTP and HTTPS	HTTP and HTTPS
	NetWare	NetWare
	Color TIFF: TIFF 6.0 or TTN2 with JPEG, LZW B&W TIFF: G3MH, G4 MMR compression (single page or multiple pages)	Color TIFF: TIFF 6.0 or TTN2 with JPEG, LZW B&W TIFF: G3MH, G4 MMR compression (single page or multiple pages)
	PDF or PDF/A: MRC, JPEG, G3 MH, G4 MMR, JBIG 2 Huffman, JBIG Arithmetic Compression. Deflate (for B&W and within MRC	PDF or PDF/A (single or multi-page): MRC, JPEG, G3 MH, G4 MMR, JBIG 2 Huffman, JBIG Arithmetic Compression. Deflate (for B&W and within MRC)
Document Management Fields	JPEG	JPEG
	XPS	XPS (single or multi-page)
	Searchable PDF, PDF/A, XPS	Searchable PDF, PDF/A, XPS
	Password-Protected (encrypted) PDF is supported through the use of custom metadata fields in Workflow Scanning (not email or other scan services).	Password-Protected (encrypted) PDF is supported through the use of custom metadata fields in Workflow Scanning (not email or other scan services).
	Linearized PDF	Linearized PDF
	One to six user-programmable metadata fields per scan job	One to six user-programmable metadata fields per scan job
	Customized fields viewed on user interface	Customized fields viewed on user interface
Scan Features	Variable data entered using virtual keyboard	Variable data entered using virtual keyboard

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Mixed Size Originals	Mixed Size Originals
	Bound Originals	Bound Originals
Supported Scan Destinations	Edge erase	Edge erase
	Reduction/enlargement	Reduction/enlargement
	Size for size (mixed size originals)	Size for size (mixed size originals)
	Scan Build Job	Scan Build Job
	Compression Quality/File Size Control	Compression Quality/File Size Control
	Original type (photo and text, photo, text, map, newspaper/magazine)	Original type (photo and text, photo, text, map, newspaper/magazine)
	Auto Background and Shadow Suppression	Auto Background and Shadow Suppression
	Not available	Single Touch Scan Services - configurable scan settings, logos, colors, and instructions.
	Scan to USB (standard)	Scan to USB (standard)
Scan to Email Capability	Scan to device mailbox (standard)	Scan to device mailbox (standard)
	Scan to network server	Scan to network server
	Scan to remote email destinations via direct SMTP addresses or via various network scanning software options	Scan to remote email destinations via direct SMTP addresses or via various network scanning software options
	Scan to Application	Scan to Application (TWAIN-compliant)
	Scan to Microsoft Exchange 2000 Web Folders	Scan to Microsoft Exchange 2000 Web Folders
	Xerox® Scan to PC Desktop® (Professional and SE editions)	Xerox® Scan to PC Desktop (Professional and SE editions)
	Xerox® SMARTsend®	Xerox® SMARTsend (SOT 8/15/2011 - not supported)
	ScanFlowStore	ScanFlowStore
	Scan to Windows client (SMB or FTP)	Scan to Windows client (SMB or FTP)
	Scan to Network Folder	Scan to Network Folder
	Scan to Home	Scan to Home
	ScanSoft PaperPort	ScanSoft PaperPort

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	ScanSoft OmniPage	ScanSoft OmniPage
	Standard	Standard
	Color scanning, Auto Color, Grayscale, Black-and-white	Color scanning, Auto Color, Grayscale, Black-and-white
	Direct document email from device	Direct document email from device
Network Protocol Authentication	Manual, device or network directory Exchange/Notes/LDAP address searching	Manual, device or network directory Exchange/Notes/LDAP address searching
	SMTP, S/MIME, LDAP, LDAPs encoded	SMTP (with SSL), S/MIME, LDAP, LDAPs encoded, SMTP w/ Kerberos
	Device login with any supported Authentication mechanism (Network, Secure Access, CAC, Local Machine database, etc)	Device login with any supported Authentication mechanism (Network, Secure Access, CAC, Local Machine database, etc)
	Supports: Kerberos (UNIX/Windows 2003 Server, 2008), SMB, (Windows 2000/Windows 2003 Server, 2008), NetWare NDS	Supports: Kerberos (Windows 2003 Server, Windows Server 2008, Windows 7, UNIX), SMB, (Windows Server 2003, Windows Server 2008), NetWare NDS
Directory Access	LDAP	LDAP
	Domino	Domino
	Corporate address list via LDAPv3	Network Address Book via LDAPv3
	Downloaded address list (comma-separated file format)	Device Address Book (import/export via comma-separated file format) including favorites. • May default to either device or global address book as default • May add entries by sending an email to the device
Scan to Folder on the Disk Drive	Standard	Standard
Email Security	Encrypted email with CAC/ DIV only	Encrypted emails • Automatically may populate from field from CAC/PIV/NET. • May restrict to Kerberos authentication only
Authentication	IP Filtering	IP Filtering with improved layout assistance
	IP sec	IPsec

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Secure Print	Secure Print
	NDS Authentication over IP	NDS Authentication over IP
	LDAP/Kerberos/SMB	LDAP/Kerberos/SMB
	Displays authenticated user at front panel	May hide authenticated user name at front panel.
	SMTP over SSL	SMTP over SSL
	Immediate Image Overwrite	Immediate Image Overwrite
	On Demand Image Overwrite (Scheduled, Manual), includes sanitation of unused area of disk	On Demand Image Overwrite (Scheduled, Manual), includes sanitation of unused area of disk
	Secure Web Page via SSL.	Secure Web Page via SSL.
	IPv6	IPv6
	Common Access Card (CAC/PIV)	Common Access Card (CAC/PIV) with .P7B certificate types
	Not available	Gemalto .NET smart card
	User Permissions (color, tray, job type, 2-sided printing controls by user, group, or time of day)	User Permissions (color, tray, job type, 2-sided printing controls by user, group, or time of day)
	Software Verify Test	Software Verify Test
	Not available	McAfee Embedded Control Enhanced Security (standard): Host-based intrusion protection with centralized reporting of violations.
	Not available	McAfee Embedded Control Integrity Control (optional) Protects device from new executable files. File whitelisting with only trusted sources; centralized reporting of violation attempts.
	Optional secure device login with network user name and password	Optional secure device login with network user name and password
	Supports: Kerberos (Windows 2003 Server, Windows Server 2008, Windows 7, UNIX), SMB (Windows Server 2003, Windows Server 2008, Windows Vista, Windows 7), Novell NDS	Supports: Kerberos (Windows Server 2003, Windows Server 2008, UNIX), SMB (Windows 2000/Windows Server 2003, Windows Server 2008, Windows Vista, Windows Vista, Windows 7), Novell NDS

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	LDAP	LDAP
	FIPS-140-2	FIPS 140-2 w. SMTP Kerberos, OCSP, IPsec
Encryption	Password Protected PDF (only via Workflow Scanning)	Password Protected PDF (only via Workflow Scanning)
	Digitally Signed PDF (only via CAC)	Digitally Signed PDF (only via CAC)
	Encrypted Scan to Email (only via CAC)	Encrypted Scan to Email
	Encrypted Disk	Encrypted Disk – Standard
	Audit Log	Audit Log
Accounting		
	Accounting Control: Xerox® Standard Accounting Network Accounting Third Party Integration Supports Foreign Device Interface Xerox® Page Accountant	Accounting Control: Xerox® Standard Accounting Network Accounting Third Party Integration Supports Foreign Device Interface with ability to black access at services pathway level Xerox® Page Accountant
Active Directory User Profile controls Accounting: Xerox® Standard Accounting	Control color copy, print, and admin privileges. Plus, control what groups can access each individual service (copy, scan, email, fax, Xerox Extensible Interface Platform® apps, etc.), and each pathway (Services, Job Status, Machine Status). Feature access control for Print.	Control color copy, print, and admin privileges. Plus, control what groups can access each individual service (copy, scan, email, fax, Xerox Extensible Interface Platform® apps, etc.), and each pathway (Services, Job Status, Machine Status). Feature access control for Copy and Print.
	Tracking Copy, Print, Fax and Scan usage	Tracking Copy, Print, Fax and Scan usage by service or color only and color tier.
	Accounting Up to 2,500 User accounts (User ID)	Accounting Up to 2,500 User accounts (User ID); Up to 500 Group accounts (Department)
	Features Enable/disable via the web UI, admin can manage the feature remotely via the web UI, Data can be exported via a CSV file, user required to enter XSA ID into the print driver when submitting a print job, similar to secure print. Prompt for black or color	Features Enabled/disabled via the web UI, admin can manage the feature remotely via the web UI, Account configuration data can be imported and tracking data can be exported via CSV files, user required to enter XSA ID into the print driver when submitting a print job, similar to secure print. May prompt only for color.

Printer Specifications	Xerox® WorkCentre 5700 Series with Xerox® Smart Controller	WorkCentre 5800® Series with Xerox® ConnectKey® Technology
	Network Accounting for driver based jobs	Network Accounting for both driver and non driver jobs
	Network accounting on for all services	Network accounting may be configured by print, copy, scan, and fax
Authorization	User Permissions for print • Roles based for device, may clone	User Permissions for print • Roles based for device, may clone • Roles may be based on LDAP groups • Roles may be based on Services, Job, and Machine Status pathways. Tools may be in roles
Xerox Extensible Interface Platform®	1.5	3.0