

Statement of Volatility WorkCentre 6400

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Statement of Volatility WorkCentre 6400

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This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the WorkCentre 6400.

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Signature Blocks

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Statement of Volatility WorkCentre 6400

Introduction

The WorkCentre 6400 can be used to perform the following tasks: Printing, Copying, Scanning, and Faxing.

The WorkCentre 6400 consists of:

Network Controller Platform (NC)

Copy Controller Platform (CC)

Fax Module

User Interface

Marking Engine

DADF/Scanner

Finisher (optional)

This document describes the amounts and types of memory contained in the device in an easy to read tabular format. To allow security issues to be addressed as needed, specific commentary has been included about job data and where Personally Identifiable Information (PII) can be found in the system.

The information contained in this document has been verified at the time the product is released for sale. Manufacturing process changes may require that memory amounts are increased but, the purpose or contents of the memory should not change.

General Memory Information

Volatile Memory

All volatile memory listed is cleared after power is removed (decay occurs generally within 20 seconds at room temperature).

All volatile memory listed is required for normal system operation and during service and diagnostic procedures.

Removal of any volatile memory will void the warranty.

Non-Volatile Memory

All non-volatile memory listed is required for normal system operation and during service and diagnostic procedures.

Removal of any non-volatile memory will void the warranty.

None of the non-volatile memory in the system can be accessed by accidental keystrokes.

The non-volatile memory in the system can be accessed by the system administrator and service technicians (via diagnostic operation) so they can adjust certain machine operational parameters.

Hard Drives

All hard drives listed are required for normal system operation and during service and diagnostic procedures.

Removal of any hard drive will void the warranty.

None of the hard drives in the system can be accessed by accidental keystrokes.

The hard drives in the system can be accessed by the system administrator and service technicians (via diagnostic operation) so they can adjust certain machine operational parameters.

USB Flash Drive

A USB Flash Drive is not required for normal system operation and during service and diagnostic procedures.

Network and Copy Controller Module Descriptions

The data tables below detail the information regarding the memory contained in or attached to the WorkCentre 6400. The Network Controller and Copy Controller Platforms are contained on a single custom motherboard. Each platform is equipped with a CPU, BIOS, RAM, Non-volatile Memory, ASICs, a Hard Drive. In addition, the device has a USB Flash Drive connector.

Volatile Memory Desc	ription			
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
DDR SDRAM	512MB	N	Executable code, control data, buffer memory (temporarily contains incoming image data) [NC]	Power Off System
DDR SDRAM	512MB	N	Executable code, control data, buffer memory (temporarily contains image data) [CC]	Power Off System
ASICs, Registers, RAM Buffers, etc.	various	N	Image manipulation, image transfer (temporarily contains image data).	Power Off System

Additional Information:

All memory listed above contains code for execution and configuration information. No user or job data is permanently stored in these locations.

Scan to Remote File is supported on this device.

Non-Volatile Memory Description					
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:	
Flash	16MB	via Diagnostics & Software Upgrade	Firmware, set points, configuration settings [CC]	Diagnostic	
Flash	32MB	via Diagnostics & Software Upgrade	Firmware, set points, configuration settings [NC]	Diagnostic	
Battery backed up SRAM	512Kb	N	Basic device information	Diagnostic	
ASICs, FPGAs, etc.	various	N	Basic device information	None	

Additional Information:

All memory listed above contains code for execution and configuration information. No user or job data is stored in these locations.

Hard Drive Descrip	tion				
Complete this table	if the device	has media	storage capabili	ity.	
Drive/Partition (System, Image):	Removable Y/N	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
CC (Copy Controller)	Yes but not normal use	80GB (min)	N with normal operation	Executable code (OS, images in process, FAX data, device settings, spooling)	Diagnostic for all areas and Normal Operation for spool areas, with Immediate or Image Overwrite.*
NC (Network Controller)	Yes but not normal use	80GB (min)	N with normal operation	Executable code (OS, fonts, stored jobs, stored scanned images, device settings, spooling)	Diagnostic for all areas and Normal Operation for spool areas, with Immediate or Image Overwrite.*

Additional Information:

These disks contain OS, stored executables, fonts, device settings and images, etc. Scan to Local File is supported on this device The "Stored Job" files remain on the disk until deleted during normal operation. Other job files are deleted during normal operation.

The spooling space is dynamically allocated to each job; at the job completion this space is deallocated to be available for new images.

* All residual customer data in dellocated space can be overwritten using a three pass algorithm which conforms to U.S. Department of Defense Directive 5200.28.M. Xerox provides Immediate Image overwrite that overwrites user image data <u>as soon</u> as the job is complete plus the ability for the SA to overwrite the entire spool partition, if desired.

Hard Drive Description							
Complete this table	e if the device	has media	storage capabili	ty.			
Drive/Partition	Removable	Size	User Modifiable	Function or Use	Process to Clear:		
(System, Image): Y/N (Y/N)							
Data stored on disk can be e	Data stored on disk can be encrypted using Encryption option						

USB Port Descript	tion				
Complete this tab	le if the device	supports t	his type of device	2.	
Drive/Partition Removable Size User Modifiable Function or Use (System, Image): Y/N Process to Clear:					
USB Flash Drive	Yes (Not installed except when SW upgrade needed)	varies	Y with normal operation	Software Upgrade module. There is no method for a user or SA to move image data from the device to a USB drive.	File erase

Additional Information:

The device contains a slot for a USB Flash Drive. The Drive can contain software upgrade module that will be used with a software upgrade action is initiated by the user.

Software upgrade can be disabled on the device.

FAX Module Description

The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6400. The Fax Module contains a CPU, BIOS, RAM, and Non-Volatile Memory.

Volatile Memory Description						
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:		
SRAM	128Kb	N	Executable code, control data	Power Off System		
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is permanently stored in this location.						

Non-Volatile Memory Description						
Type (Flash, EEPROM, etc) Size User Modifiable Function or Use (Y/N) Process to Clear:						
Flash	512KB	via Diagnostics	Set points, configuration settings	Diagnostic		
EEPROM 16Kb via Diagnostics Set points Diagnostic						
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is stored in this location.						

User Interface Module Description
The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6400. The User Interface contains a FPGA that contains RAM and Non-Volatile Memory.

Volatile Memory Description						
Type (SRAM, DRAM, etc) Size User Modifiable Function or Use (Y/N) Process to Clear:						
SRAM within the FPGA 87KB N Display logic, data buffers Power Off System						
Additional Information:						
All memory listed above contains c	ode for exec	ution and configuration in	formation. No user or job data is permane	ently stored in this location.		

Non-Volatile Memory Description						
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:		
Flash ROM	128KB	via Diagnostics	Configuration data for the FPGA	Diagnostic		
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is stored in this location.						

Marking Engine Module Description

The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6400. The Marking Engine contains a CPU, BIOS, RAM and Non-Volatile Memory.

Volatile Memory Description						
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:		
SRAM	128KB	N	Executable code, control data	Power Off System		
Registers		N	Image xfer (temporarily contains part of a raster image).	Power Off System		
Additional Information:	ode for execu	ution and configuration in	formation. No user or iob data is permaner	ntly stored in these locations		

Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
EEPROM	128KB	via Diagnostics	Firmware, control setpoints, configuration settings	Diagnostic

DADF/Scanner Module Description

The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6400. The DADF/Scanner contains a CPU, BIOS, RAM, and Non-Volatile Memory.

Volatile Memory Description					
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:	
SDRAM	128KB	N	Executable code, control data	Power Off System	
Additional Information:					
All memory listed above contains code for execution and configuration information. No user or job data is permanently stored in this location.					

Non-Volatile Memory Description					
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:	
EEPROM	1MB	via Diagnostics	Firmware, control setpoints	Diagnostic	
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is stored in these locations.					

Finisher Module Description
The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6400. The Finisher contains a CPU, BIOS, RAM, and Non-Volatile Memory.

Volatile Memory Description					
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:	
DRAM	128KB	N	Executable code, drivers	Power Off System	
Additional Information:					
All memory listed above contains code for execution and configuration information. No user or job data is stored in this location.					

Non-Volatile Memory Description					
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:	
EEPROM	128KB	via Diagnostics	Firmware, control setpoints	Diagnostic	
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is stored in this location.					