



Statement of Volatility

WorkCentre 6655

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Statement of Volatility

WorkCentre 6655

Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the WorkCentre 6655.

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Statement of Volatility

WorkCentre 6655

Introduction

The WorkCentre 6655 is used to perform the following tasks:

- Printing
- Copying
- Scanning
- Faxing

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.

Signature Block

This evaluation and summary was reviewed and approved by:

Signature	
Printed Name	Ralph H. Stoos Jr.
Job Title	Technical Program Manager, Product Security Office
Preparation Date	9/16/2014

This evaluation and summary was performed by:

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Printed Name	Karen Gorn
Job Title	Software Technical Program Manager, Product Development
Preparation Date	9/16/2014

Controller Module Descriptions

The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 6655 controller.

Volatile Memory Description				
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
DDR3 SDRAM non ECC – System Memory	4GB	N	Temporary storage of program and work area.	Power Off System
DDR3 SDRAM non ECC – Page Buffer	1GB	N	Temporary storage of work area. (Image data)	Power Off System
RAM	20KB	N	Work area for Marking engine control.	Power Off System
Additional Information: There are two main blocks of Volatile memory in the controller, System and Image memory. System memory contains a mixture of executable code, control data and job data. Job data exists in System memory while the job is being processed. Once the job is complete the memory is reused for the next job. Likewise Image memory holds job data in a proprietary format while the job is being processed. Once the job is complete the image memory is reused for subsequent jobs.				

Non-Volatile Memory Description				
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SD CARD	512MB	N	Permanent storage of Program(executable code),	Not customer alterable
SEEPROM	1KB	N	Permanent storage of system configurations. (MAC address, Product ID etc.)	Not customer alterable
Flash	8MB	N	Permanent storage of Program and, bootloader(executable code).	Not customer alterable
Battery Backed SRAM	1MB	N	Permanent storage of system management data. (system state variables for program)	Not customer alterable
EEPROM	2KB	N	Permanent storage of IIT configuration data.	Not customer alterable
Built-in ROM in M3	256KB	N	Permanent storage of Program for IIT-MCU (executable code)	Not customer alterable
Flash	512KB	N	Permanent storage of Program for FPGA on IIT-MCU	Not customer alterable
Flash	256KB	N	Marking engine control firmware code.	Not customer alterable
EEPROM	8KB	N	Marking engine control parameters.	Not customer alterable

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

Hard Disk Descriptions

Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
System Disk / System partition	No	27GB	N with normal operation	Operating System, Fonts, configuration file storage.	Diagnostic Procedure
System Disk / Image partition	No	48GB	N with normal operation	Job Images	Diagnostic Procedure

Additional Information:

This System disk contains the Linux Operating System and stores executables, fonts, and settings files. During normal operation, job files do not remain stored on this disk. One exception is "Print From", "Saved Jobs" feature. Customer jobs saved on the machine's hard disk using this feature must be manually deleted by the customer. If On Demand Overwrite and full is selected all saved jobs will be erased.

The Image partition stores images in a proprietary encoded format in non-contiguous blocks. Customer image data is only stored to the image partition if EPC memory is full. User data and image data may be completely erased with a full Overwrite using a three-pass algorithm which conforms to U.S. Department of Defense Directive 5220.22-M, and the entire image partition is erased and checked.

Media and Storage Descriptions

Type (disk drives, tape drives, CF/SD/XD memory cards, etc.):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
None					

Additional Information:

RFID Devices

RFID Device and location	Purpose
N/A	No RFID Devices are contained in the device

Additional Information:

USB Port(s)

USB port and location	Purpose
Front left side panel – 1 Host port	User retrieves print ready files from Flash Media or stores scanned files on Flash Media. Physical security of this information is the responsibility of the user or operator.
Rear panel – 2 Host ports	User retrieves print ready files from Flash Media or stores scanned files on Flash Media. Physical security of this information is the responsibility of the user or operator. Optional security devices, such as a CAC reader, communicate with the machine via this port. No job data is transmitted across this interface when an optional security device is connected.
Rear panel – 1 Target port	User PC direct connection for printing, Xerox Customer Service Engineer. The optional CopyAssistant kit communicates with the machine via this port. No job data is transmitted across this interface.

Additional Information

A number of devices can be connected to the 3 USB Host ports. Once information has been copied (either as a back-up data set or as a transfer medium, physical security of this information is the responsibility of the user or operator.)

Feeder and Finisher Module Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the WorkCentre 6655 supported feeders. This document lists the available options. Depending on the configuration purchased, your system will contain on or more of these devices. **NOTE: None of these devices store any job data in electronic form.**

Feeder Module Descriptions

550 Sheet Capacity Tray (one extra tray supported)

The Feeder device never contains job data or Personally Identifiable Information. All memory inside the device is used for configuration settings and normal operation. Removal of any memory will void the warranty. Access to any memory is by system programs or diagnostics only.

Finisher Module Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the WorkCentre 6655 supported finishers. This document lists the available options. Depending on the configuration purchased, your system will contain one or more of these devices. **NOTE: None of these devices store any job data in electronic form.**

No Finishers Supported