



Statement of Volatility

WorkCentre 5135/5150 Copier

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Statement of Volatility

WorkCentre 5135/5150 Copier

Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the WorkCentre 5135 and WorkCentre 5150 Copiers

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Statement of Volatility

WorkCentre 5135/5150 Copier

Introduction

For Copy only configuration of WorkCentre 5135 and 5150 products.

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.


Device Module Descriptions

Signature Block

This evaluation and summary was completed by:

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Preparation Date	2009

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Preparation Date	2009

The data tables below detail the information regarding the volatile and non-volatile memory contained in the WorkCentre 5135/5150 Copier print engine.

Volatile Memory Description				
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
DRAM	32MB	N	User interface.	Power Off System
SRAM	128KB	N	Scanner Control	Power Off System
DRAM	128MB	N	Copy Controller, EPC Image storage	Power Off System
SRAM	32MB	N	Copy Controller. Software control	Power Off System
DRAM	256KB	N	Print Engine. Control software	Power Off System
<p>Additional Information: There are also a numbers of RAM buffers in the video path that are used for image manipulation (Reduce/Enlarge, etc.), and all have no data retention capability. When power is removed all data is lost. These buffers are typically built into the ASICs. Typical bleed down time for all volatile memory is 10 seconds.</p>				

Non-Volatile Memory Description				
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash	16MB	N	User Interface Executable Code	None. No user image data stored
Flash	1MB	N	Scanner Executable Code	None. No user image data stored
Flash	16MB	N	OS and Copy Controller executable Code	None. No user image data stored
NVRAM	128KB	N	Machine Configuration and setup values	None. No user image data stored
Flash	2MB	N	Print Engine	None. No user image data stored
NVRAM	32KB	N	Print Engine	None. No user image data stored
<p>Additional Information: There are other non-volatile memory devices in the device but these are used solely for low-level I/O control. Some examples of this distributed control are:</p> <ul style="list-style-type: none"> • Power distribution, Photoreceptor and main drive motors control • Raster Output Scanner (ROS) • Paper Registration • Finisher 				