Statement of Volatility
ColorQube 9201/9202/9203

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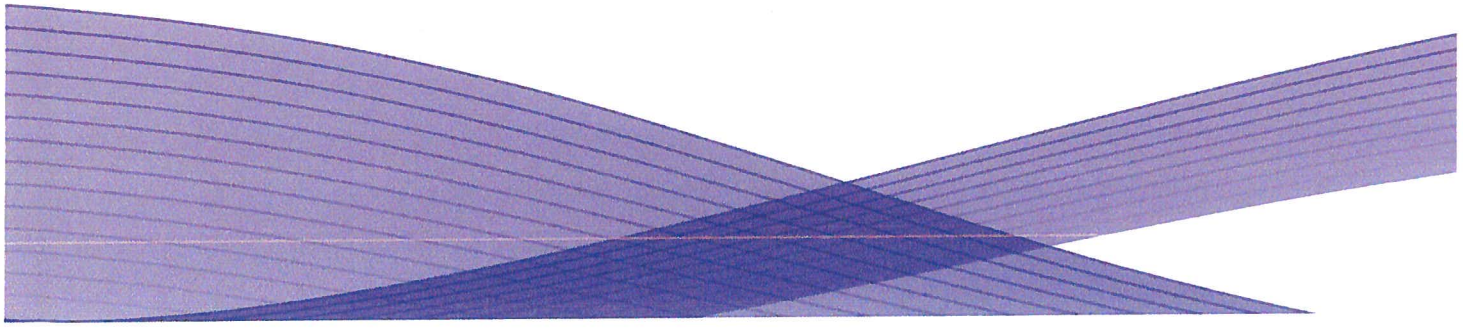

Statement of Volatility
ColorQube 9201/9202/9203

Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the ColorQube 9201/9202/9203.

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Statement of Volatility
ColorQube 9201/9202/9203

Introduction
The ColorQube 9201/9202/9203 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.

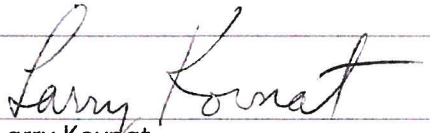
Device Module Descriptions

Signature Block

This evaluation and summary was completed by:

Signature	
Printed Name	David Thorne
Job Title	Electronics Engineering Manager
Job Function	Electronics Engineering Manager
Preparation Date	15th April 2009

Optional Signature Block

Signature	
Printed Name	Larry Kovnat
Job Title	Product Security Manager
Job Function	
Preparation Date	15th April 2009

The data tables below detail the information regarding the volatile and non-volatile memory contained in the ColorQube 9201/9202/9203 print engine.

System Module Description

Volatile Memory Description

Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SRAM	2KB	N	User interface.	Power Off System
SRAM	1KB	N	Document Feeder.	Power Off System
SRAM	4KB	N	Scanner Control	Power Off System
DRAM	512MB	N	Network Controller	Power Off System
DRAM	512MB	N	Copy Controller. Software control	Power Off System
DRAM	1GB	N	Copy Controller, EPC Image storage	Power Off System
DRAM	80MB	N	FAX. Software Control & Image Transfer	Power Off System
DRAM	256MB	N	Print Engine. Control software & Image Storage	Power Off System

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.

System Module Description (continued)

Non-Volatile Memory Description

Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash	32KB	N	User Interface Executable Code	None. No user image data stored
Flash	32KB	N	Document Feeder Executable Code	None. No user image data stored
Flash	56KB	N	Scanner Executable Code	None. No user image data stored
Flash	16MB	N	Network Controller Boot Code	None. No user image data stored
HDD	80GB	N	Network Controller Application software. Image storage and processing	On Demand Image Overwrite .
Flash	32MB	N	Copy Controller Boot Code	None. No user image data stored
NVRAM	512KB	N	Machine Configuration and setup values	None. No user image data stored
HDD	80GB	N	Copy Controller Application software. Overflow EPC image storage	On Demand Image Overwrite.
Flash	4MB	N	FAX Controller Boot Code	None. No user image data stored
Flash NVRAM	256MB	N	FAX image storage	On Demand Image Overwrite .
Flash	16MB	N	Print Engine Executable Code	None. No user image data stored
NVRAM	32GB	N	Print Engine Configuration and Calibration Data	None. No user image data stored
NVRAM	4x64KB	N	Print Head Calibration data	None. No user image data stored

Additional Information:

Feeder and Finisher Module Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the ColorQube 9201/9202/9203 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

Three Tray Module

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.

Paper Feed Platform Module

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 ColorQube 9201/9202/9203 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.**

Low Capacity Stacker Stapler

The Low Capacity Stacker finishing 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.

High Volume Finisher

The High Volume Finisher finishing 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.

Third Party finishing devices

None