



Xerox® Color C60/C70 Printer FreeFlow® Print Server

Statement of Volatility

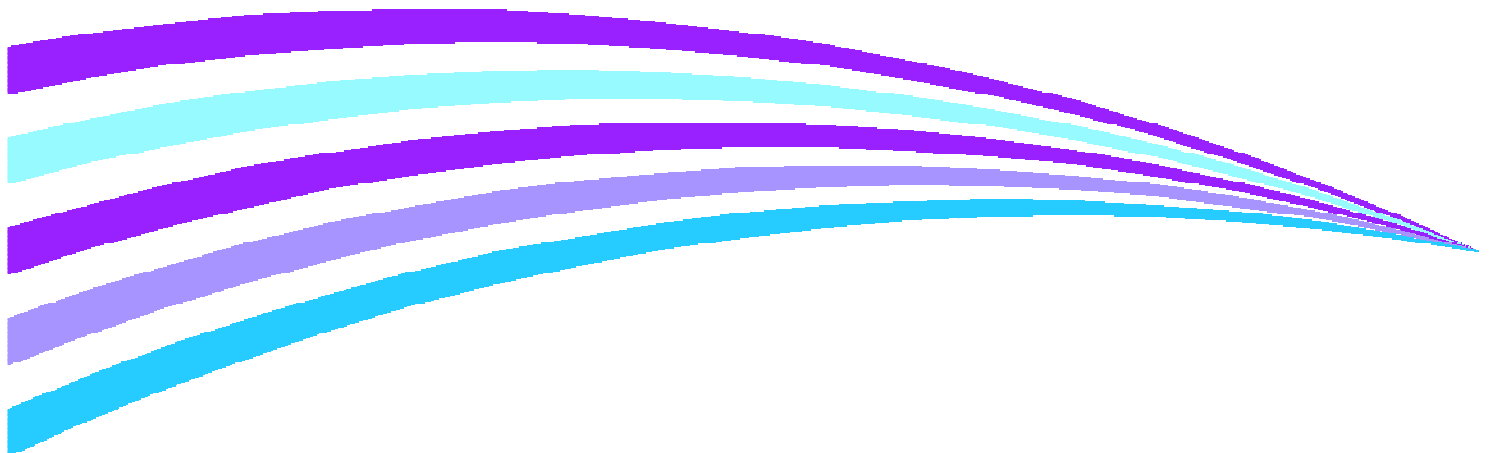
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Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the FreeFlow® Print Server.

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Introduction

This report presents the information regarding the volatile and non-volatile memory contained in the FreeFlow Print Server used on the Xerox Color C60/C70 Printer (Product Code 2HB). The FreeFlow Printer Server is based on Dell Optiplex XE2 Small Form Factor with customization on processor, memory and custom interface card.

The Xerox® Color C60/C70 FreeFlow® Print Server is used to perform the following tasks:

- High Speed Production Printing

The FreeFlow® Print Server is intended to be connected to:

- Xerox Print Engine

These modules provide the basic configuration. Depending on what is purchased, the number and types of feeders and finishers contained in the completed system can change.

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.

System Descriptions

The data tables below detail the information regarding the volatile and non-volatile memory contained in the FreeFlow Print Server used on the Xerox® Color C60/C70 Printer based on Dell Optiplex XE2 Small Form Factor.

The Free Flow Print Server Digital Front End is a PC-type motherboard and an interface card. It is equipped with a BIOS, main RAM and Video memory.

Volatile Memory				
Type (SRAM, DRAM, etc.)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
DDR3 DRAM	16GB	N	System OS RAM to contain executable code. No job data stored here persistently.	Reboot or power down system.
DRAM	3MB	N	CPU cache	Reboot or power down system

Non-Volatile Memory				
Type (Flash, EEPROM, etc.)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash EEPROM	12MB	Y with vendor-provided tool.	System BIOS. Boot code. System configuration information. No job data stored here.	Not possible, system not functional if corrupted/removed.
Battery backed (CMOS) RAM	256Bytes	N	Real-time clock and BIOS configuration settings. No job data stored here.	Through Motherboard jumper settings, OR Remove power; remove battery for 30 seconds
Embedded Flash memory in embedded controller	96KB + 2KB	N	ARC625D - FAN control and Pre-boot diagnostic function 8042 Keyboard Controller	Not possible, system not functional if corrupted/removed.
TPM Chip	4KB	N	Trusted Platform Module. No job data stored here.	Not possible, system not functional if corrupted/removed.

Interface Card:

Non-Volatile Memory				
Type (Flash, EEPROM, etc.)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash EEPROM	64Mb	N	Programmable logic configuration information. No job data stored here.	Not possible, system not functional if corrupted/removed.

Hard Disk Descriptions					
Complete this table if the device has media storage capability					
Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
System Disk	Y	1TB	N with normal operation	Operating System, Fonts, configuration file storage	Diagnostic Procedure
<p>Additional Information:</p> <p>The System Disk (C drive) contains the Windows Operating System and store executable, fonts, and settings files. During normal operation, job files remain stored on the data partition (D drive) until completed or removed. Under typical system usage job images may also be stored temporarily on the data partition. The total size of the HDD is 1TB and the approximate usage of the disk by Operating System and application software is 35GB. However the usage size for “data” and “outQ” partition can increase while running the Free Flow® Software.</p> <p>Images are stored in a proprietary encoded format and fragments of the job data are stored at random locations in the data partition. Free Flow® has a data overwrite tool and not a disk overwrite tool. The data overwrite tool wipes out only customer Job image and data. It is based on “DoD 5220.22-M” algorithm and it will not wipe out the entire disk, merely area that contain job images.</p>					

USB Port(s)	
USB port and location	Purpose
Front of FreeFlow® Print Server: 2 USB 2.0 and 2 USB 3.0 ports	User stores scanned files of job files on Flash Media. Physical security of this information is the responsibility of the user or operator.
Back of FreeFlow® Print Server: 4 USB 2.0 and 2 USB 3.0 ports	User stores scanned files of job files on Flash Media. Physical security of this information is the responsibility of the user or operator.
<p>Additional Information:</p> <p>A number of devices can be connected to USB ports on the FreeFlow Print Server system. 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.</p>	