Statement of Volatility
Phaser 5550 B/N/DN/DT

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Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the Phaser 5550 B/N/DN/DT.

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This evaluation and summary was certified by:

Signature	
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Job Title	Technical Program Manager
Job Function	Product Security Office
Preparation Date	August 18, 2008 Original. Transferred to this format June 12, 2014

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Introduction

The Phaser 5550 B/N/DN/DT is used to perform the following tasks:

Printing

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

The data tables below detail the information regarding the volatile and non-volatile memory contained in the Phaser 5550 B/N/DN/DT print engine.

Volatile Memory Description

Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SDRAM	2 GB Maximum	N	Executable code, Printer control data Job Data in portions during operation	Power Off System
Additional Information: All memory listed above contains code for execution and configuration information. No user or job data is stored in these locations.				

Non-Volatile Memory Description

Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Configuration Card Flash	8MB	via Diagnostics	Contains printer configuration and operational parameters. It does not contain user image data.	Diagnostic
Flash	32MB	via Diagnostics	Is used for firmware code and contains no user image data.	Diagnostic
DIMM Font ROM	1MB	via Diagnostics	Control setpoints, configuration settings [MIB]	Diagnostic
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

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:
Optional System Disk	No	40GB or >	N with normal operation	Operating System, Fonts, configuration file storage Job Images	Diagnostic Procedure

Additional Information:
The Optional disk contains and stores executables, fonts, and settings files.   Under typical system usage job images may also be stored temporarily on the disk if they are secure, personal, and proof print jobs.   Images are stored in random locations in the partition. Reverse engineering of the data partition area would be needed to retrieve the encoded image which would then need to be decoded for viewing.

The disk stores images in a proprietary encoded format in non-contiguous blocks. User data and image data may be completely erased if optional Disk kit is installed,   and Hard Drive Overwrite is enabled. Files are removed using a four-pass algorithm which conforms to U.S. Department of Defense Directive 5200.28-M.

RFID Devices

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

Additional Information:

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: