

Xerox® Versant® 3100 Press

Statement of Volatility



© 2017 Xerox Corporation. All rights reserved. Xerox® and Xerox and Design®, Versant®, FreeFlow® Print Server and SquareFold® are trademarks of Xerox Corporation in the United States and/or other countries. BR21153

Other company trademarks are also acknowledged.

Document Version: 1.1 (May 2017).

Contents

1. Statement of Volatility	1-1
Notice	1-1
Introduction	1-2
General Information	1-3
Volatile Memory.....	1-3
Non-Volatile Memory.....	1-3
2. Print Engine (Marking Module) Description	2-4
Volatile Memory Description	2-4
Non-Volatile Memory Description:	2-5
Hard Drive Information.....	2-6
Media and Storage Descriptions.....	2-7
USB Port Table	2-7
RFID Devices	2-7
3. Feeder Modules Descriptions.....	3-1
4. Finisher Modules Descriptions.....	4-2

1. Statement of Volatility

Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the Xerox® Versant® 3100 Press.

The context of the information in this document is that normal means of access or data extraction are being attempted in order to reproduce, read, or extract stored or latent data. This does not include attempts to reproduce, read or extract data or reverse engineer storage methods by individuals or organizations with advanced skills or through the use of extraordinary resources and measures or specialty equipment not normally available in the industry or to the public.

The content of this document is provided for information purposes only. Performance of the products referenced herein is exclusively subject to the applicable Xerox Corporation terms and conditions of sale and/or lease. Nothing stated in this document constitutes the establishment of any additional agreement or binding obligations between Xerox Corporation and any third party.

Introduction

The Xerox® Versant® 3100 Press is used to perform the following tasks:

- Printing
- Copying

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.

The Xerox® Versant® 3100 consists of up to several sub-modules:

- Print Engine (including the User Interface - UI)
- Optional High Capacity Feeder Module (HCF)
- Optional High Capacity Stacker (HCS)
- Cooling Decurler Module (CDM)
- Optional Multifunction Type Finishers
- Trimmer Buffer Module (TBM)
- Offset Catch Tray (OCT)

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

The engine can be connected to one of the following:

- Xerox® EX 3010 Print Server Powered by Fiery®
- Xerox® FreeFlow® Print Server for the Xerox® Versant® 3100 Press

In each of these cases, the Statement of Volatility or Security White paper containing volatility information regarding these Print Servers will be contained in a separate document.

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 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.

2. Print Engine (Marking Module) Description

The data tables below detail the information regarding the volatile and non-volatile memory contained in the Xerox® Versant® 3100 Press print engine.

The Print Engine is powered by several System boards (**IOT MAIN MCU, ESS, and Halftone pwba's**). These are equipped with main RAM and Non-Volatile memory, as described below.

Volatile Memory Description:

Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SDRAM (MCU PWBA)	64MB	N	Temporary storage of variables	SRAM is erased when machine is powered off.
DRAM (SYSTEM MEMORY DIMM)	4Gbit	N	Temporary storage of program and work area	SDRAM is erased when a main switch is turned off.
SDRAM (ESS PWBA)	64MB	N	Temporary storage of program and work area	SDRAM is erased when a main switch is turned off.
SDRAM (page memory)	1Gbit	N	Temporary storage of variables	SRAM is erased when machine is powered off.

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 (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash (MCU PWBA)	8MB	N	Permanent storage of program. User image data are not stored.	Not customer alterable
Flash (ESS PWBA)	2MB	N	Permanent storage of program / font data. User image data are not stored.	Not customer alterable
EEPROM (BP PWBA)	16KB	N	Permanent storage of machine setting data . User image data are not stored.	Not customer alterable
Flash (ESS PWBA)	8MB	N	Permanent storage of program data. User image data are not stored.	Not customer alterable
SD Card	2GB	N	Billing Meters and critical settings	Not customer alterable
Battery-backed SRAM (NVM PWBA)	1MB	N	Permanent storage of machine setting data/job log data. User image data are not stored.	SRAM is not erased when a main switch is turned off. Not customer alterable.
Battery-backed SRAM (ESS PWBA)	512KB	N	Configuration and control set points. User image data are not stored.	SRAM is not erased when a main switch is turned off. Not customer alterable.
EEPROM	512KB	N	Permanent storage of machine setting data . User image data are not stored.	Not customer alterable

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

Hard Drive Information

Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
Hard disk	No (Option for Removable is available)	320GB	N	PDL Data temporary storage.	At the completion of jobs

If Disk Encryption is ON, all partitions are encrypted. If Disk Overwrite is ON, all files are sanitized when it is deleted by NSA recommended method. The HDD overwrite algorithm is based on NIST.SP.800-88 or NSA130-1 documents.

Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
Ide0/a	No (Option for Removable is available)	3726MB	N	Resources data Storage.	At the deletion of data
Ide0/b	No (Option for Removable is available)	5588MB	N	Print data temporary Storage. (Example; Configuration Report)	At the completion of the job
Ide0/h	No (Option for Removable is available)	3726MB	N	Management data Storage.	At the deletion of data
Ide0/p	No (Option for Removable is available)	3726MB	N	Firmware backup Storage.	None

Additional Information on partitions

- Ide0/a: resources are font, form/logo, SMB folder (configuration, txt, and driver) and Job Template.
- Ide0/b: EPC print data which are decomposed and temporarily stored on this portion.
- Ide0/h: Management data are authenticated database, job log, audit log, certificate, address book, development log.
- Ide0/p: Firmware of previous and current are stored as backup when firmware is upgraded. Data remain until next firmware upgrade.

Media and Storage Descriptions

USB Port Table

USB port and location	Purpose
Rear panel – 1 Target port	Xerox Customer Service Engineer PWS connection for problem diagnosis.

Type (disk drives, tape drives, CF/SD/XD memory cards, etc.):	Removable Y / N	Size:	User Modifiable: Y / N	Function:	Process to Clear:
SD Card	N	2GB	N	Billing Meters and critical settings	Not customer alterable

RFID Devices

RFID device and location	Purpose
None	NA

3. Feeder Modules Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the Xerox® Versant® 3100 Press 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 stores any job data in electronic form.

Two Tray High Capacity Feeder

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.

4. Finisher Modules Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the Xerox® Versant® 3100 Press 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 stores any job data in electronic form.**

- **Xerox® Interface Decurler Module**

The Decurler Module 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.

- **Xerox® High Capacity Stacker**

The High 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.

- **Xerox® Two-sided Trimmer**

The Two-sided Trimmer 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.

- **Xerox® Production Ready Finisher Booklet Maker, Xerox® Production Ready Finisher Plus, Xerox® Production Ready Finisher, Xerox® Basic Punch, Xerox® Inserter and Xerox® C/Z Folder**

All the above finisher devices never contains job data or Personally Identifiable Information. All memory inside the devices are 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.

- **Xerox® SquareFold® Trimmer**

The SquareFold® Trimmer Booklet finisher 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.

- **Xerox® Advanced Punch Module**

The GBC Advanced Punch 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.