Statement of Volatility
Xerox Wide Format IJP 2000

July 1, 2013

Preface

Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the Xerox Wide Format IJP 2000.

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Device Module Description

Introduction

The Xerox Wide Format IJP 2000 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.

Volatile Memory Table

Volatile Memory Description				
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SRAM (MCU PWBA)	2Mbit (128K x8bit) x 2	N	Temporary storage of variables	SRAM is erased when machine is powered off.
SRAM (MCU PWBA)	24Kbit (1536 x 16bit)	N	Temporary storage of variables	SRAM is erased when machine is powered off.
SRAM (RFC PWBA)	2Kbit (256 x 8bit)	N	Temporary storage of variables	SRAM is erased when machine is powered off.
DDR2 DIMM(ESS PWBA)	1GB x 2pcs (128M x 64 nit)	N	Temporary storage of work area	DDR2 DIMM is erased when a main switch is turned off.
SDRAM (PNL1 PWBA)	64Mbit (4Mx16bit)	N	Temporary storage of work area	SDRAM is erased when a main switch is turned off.
DRAM (Supervisor)	256MByte	N	Temporary storage of application program and data	DRAM is erased when machine is powered off.
DRAM (each Print Head Controller)	256MByte	N	Temporary storage of application program and data	DRAM is erased when machine is powered off.

Non-Volatile Memory Table

Non-Volatile Memory Description				
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
Flash (MCU PWBA)	8Mbit (512K x16bit)	N	Permanent storage of program. User image data are not stored.	Not customer alterable.
EEPROM (MCU PWBA)	64Kbit	N	Permanent storage of machine setting data. User image data are not stored.	Not customer alterable.
Flash (MCU PWBA)	324Kbit (20376 x16bit)	N	Permanent storage of program. User image data are not stored.	Not customer alterable.
Flash (RFC PWBA)	60Kbit (7680 x8bit)	N	Permanent storage of program. User image data are not stored.	Not customer alterable.
Flash (ESS PWBA)	8Mbit (1Mx8bit)	N	Permanent storage of program data(BIOS). User image data are not stored.	Not customer alterable.
SPI Serial EEPROM (ESS PWBA)	1Kbit (128 x 8bit)	N	For storing LAN data(Intel 82573L). User image data are not stored.	Not customer alterable.
nvSRAM (PCI PWBA)	64Kbit (8 x 8bit)	N	For storing Billing Count and Machine Configuration data.User image data are not stored.	Not customer alterable.
Flash (PNL1 PWBA)	16Mbit (1M x 16bit)	N	Permanent storage of program. User image data are not stored.	Not customer alterable.
Flash (Supervisor)	8 Mbyte	N	Permanent storage of boot program	Not customer alterable.
EEPROM (Spervisor)	4 Kbyte	N	Permanent storage of Print Engine configuration data. User image data are not stored.	Not customer alterable.
Flash (each Print Head Controller)	8 Mbyte	N	Permanent storage of boot program	Not customer alterable.
EEPROM (each Print Head Controller)	4 Kbyte	N	Permanent storage of Print Head configuration data.. User image data are not stored.	Not customer alterable.

Hard Disk Table

Hard Disk Description					
Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: Y /N	Function:	Process to Clear:
/1	N	4 [GB]	N	OS images	None
/2	N	4 [GB]	N	SWAP area	By UI operation
/3	N	4 [GB]	N	OS images for update operation	None
/4	N	148 [GB]	N	Not Used	Not Used
/5	N	4 [GB]	N	System Software images	None
/6	N	4 0[GB]	N	Spooling print data	By UI operation
/7	N	20[GB]	N	Not Used	Not Used
/8	N	16 [GB]	N	Not Used	Not Used
/9	N	20[GB]	N	Not Used	Not Used
/10	N	4 [GB]	N	Not Used	Not Used
/11	N	8 [GB]	N	Work /Temporary area	By UI operation
/12	N	8 [GB]	N	Security data area	By UI operation
/13	N	8 [GB]	N	Log data area	By UI operation
/14	N	8 [GB]	N	Update area	None
/15	N	8 [GB]	N	OS images for development only	None
/16	N	4 [GB]	N	Not Used	Not Used
Additional Information: If Disk Encryption is ON, /2,/6,/11,/12,/13 are encrypted. Input files and internal temporary image files are cleared at the completion of job. If Disk Overwrite Delete is ON, Input files and internal temporary image files are overwritten at the completion of job using a 3 pass DoD 5220.28-M compatible algorithm.					

USB Ports Table

USB Port(s)	Purpose
Two USB-Device ports located on the ESS rear panel	One USB-Device port is used for IOT control(Rear Panel Side). One USB-Device port is used for UI device control (Rear Panel Side) .
One USB-Device ports located on the UI panel	One USB-Device port is used for UI control from the ESS.

RFID Devices Table

RFID Devices	Purpose
N/A No RFID devices used	N/a

Finisher Module Descriptions

Finisher Module Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the Xerox Wide Format IJP 2000 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.

Standard Finisher
The 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.