Xerox® Work Centre® EC 7836/7856 Color Multifunction Printer

Statement of Volatility
Version 1.0

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Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the EC 7836/7856 with 073.xxx.167.17200 or later firmware.

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Introduction

The WorkCentre products are 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 potential locations of job data and Personally Identifiable Information (PII).

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.

Non-volatile memory in the system cannot be accessed by accidental keystrokes.

Controller Module

Volatile Memory					
Type (SRAM, DRAM, etc.)	**Size**	**User Modifiable (Y/N)**	**Function or Use**	**Stores Customer Data (Y/N)**	**Process to Clear:**
DDR3 SDRAM non ECC – System Memory	2GB	N	Executable code, Printer control data, temporary storage of job data	Y	Power Off System
DDR2 SDRAM non ECC – Image Memory	1GB	N	Image data - copy/scan/print/Fax	Y	Power Off System
DDR2 SDRAM non ECC – Page Buffer	512MB	N	Scanner image page buffer	Y	Power Off System
DDR2 SDRAM non ECC – Page Buffer (Pyxis)	512MB	N	Scanner image page buffer	Y	Power Off System
SRAM	1MB	N	JPEG image processing buffer	Y	Power Off System
Additional Information: There are two main blocks of Volatile memory in the controller, System and Image memory. System memory contains a mixture of executable code, control data and job data. Job data exists in System memory while the job is being processed. Once the job is complete, the memory is reused for the next job. Likewise, image memory holds job data in a proprietary format while the job is being processed. Once the job is complete, the image memory is reused for subsequent jobs.					

Non-Volatile Solid State Memory					
Type (Flash, EEPROM, etc.)	**Size**	**User Modifiable (Y/N)**	**Function or Use**	**Stores Customer Data (Y/N)**	**Process to Clear:**
SD CARD	4GB	via Diagnostics	Control set points, configuration settings, Boot Memory	N	Diagnostic
EEPROM	1Mb	Via Diagnostics	Programs Taurus ASIC	N	Diagnostic
EEPROM(Pyxis)	1Mb	Via Diagnostics	Programs Taurus ASIC	N	Diagnostic
Flash	38KB	Via Diagnostic	Boot sector for power manager, MAC address	N	Diagnostic
Battery Backed SRAM	6kB	Via Diagnostic	Power manager variables	N	Diagnostic
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 Hard Disk Memory					
Drive / Partition (System, Image):	**Removable Y / N**	**Size:**	**User Modifiable: Y / N**	**Function:**	**Stores Customer Data (Y/N)**	**Process to Clear:**
System Disk / System partition	No	27GB	N with normal operation	Operating System, Fonts, configuration file storage.	Y	Diagnostic Procedure HD Overwrite Feature
System Disk / Image partition	No	48GB	N with normal operation	Job Images	Y	Diagnostic Procedure HD or the Immediate Job Overwrite Feature

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					

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

Marking Engine Modules

Volatile Memory					
Type (SRAM, DRAM, etc.)	**Size**	**User Modifiable (Y/N)**	**Function or Use**	**Stores Customer Data (Y/N)**	**Process to Clear:**
DRAM (MCU PWBA)	32M x 16 bit	N	Temporary storage of SW processing variables	N	Power Off System
RAM (UI PWBA)	1kbyte	N	Temporary storage of SW processing variables	N	Power Off System

Non-Volatile Solid State Memory					
Type (FLASH, EEPROM, etc.)	**Size**	**User Modifiable (Y/N)**	**Function or Use**	**Stores Customer Data (Y/N)**	**Process to Sanitize:**
Flash (MCU PWBA)	16Mbit	N	Permanent storage of program. User image data are not stored.	N	Not customer alterable.
EEPROM (LED Driver, PWBA, K)	128Kbit	N	Permanent storage of setup data.	N	Not customer alterable.
EEPROM (MM PWBA)	128Kbit	N	Permanent storage of parameters and setup data. User image data are not stored.	N	Not customer alterable.
EEPROM (UI PWBA)	1kbit x 2	N	Permanent storage of setup data. Storage of UI error log data	N	Not customer alterable.
EEPROM (DADF PWBA) LOW (PF2.01) or HIGH(PF2.02)	16Kbit	N	Permanent storage of DADF configuration code. User image data are not stored.	N	Not customer alterable.
EEPROM (TM PWBA)	2kbit	N	Permanent storage of TM configuration code. User image data is not stored.	N	Not customer alterable.
Flash or ROM (UI PWBA)	32kbyte	N	Permanent storage of UI executable code. User image data is not stored.	N	Not customer alterable.
ROM (DADF PWBA) LOW (PF2.01) or HIGH(PF2.02)	256kbit	N	Permanent storage of DADH configuration code. User image data is not stored.	N	Not customer alterable.
EEPROM (IIT)	16Kbit	N	Permanent storage of setup data	N	Not customer alterable

Media and Storage					
Type (disk drives, tape drives, CF/SD/XD memory cards, etc.):	**Removable Y / N**	**Size:**	**User Modifiable: Y / N**	**Function:**	**Process to Clear:**
None					

Feeder and Finisher Modules

The text below details the information regarding the volatile and non-volatile memory contained in the 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 or Personally Identifiable Information in electronic form.**

Feeder Modules

High Capacity Tandem Tray Module

All memory inside the device is used only for configuration settings and normal operation. No Customer data is stored in the memory of this module. Removal of any memory will void the warranty. Access to any memory is by system programs or diagnostics only.

Finisher Modules

Depending on the configuration purchased, your system will contain one or more of these devices. **NOTE: None of these devices stores any job data or Personally Identifiable Information in electronic form.**

Office Finisher LX

All memory inside the device is used for only configuration settings and normal operation. No Customer data is stored in the memory of this module. Removal of any memory will void the warranty. Access to any memory is by system programs or diagnostics only.