

Xerox® AltaLink®

B8045/B8055/B8065/B8075/B8090

Multifunction Printer

Statement of Volatility

Version 1.0

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Preface

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the Altalink B8045/55/65/75/90.

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1. Introduction

The Altalink B8045/55/65/75/90 is 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 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.

2. Controller Module Descriptions

The data tables below detail the information regarding the volatile and non-volatile memory contained in the Altalink B8045/55/65/75/90 controller.

Volatile Memory

Volatile Memory Description				
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
DDR3 SDRAM non ECC – System Memory	4GB	N	Executable code, Printer control data, temporary storage of job data	Power Off System
Additional Information:				
There is one block of Volatile memory in the controller and is the System 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.				

Non-Volatile Memory

Non-Volatile Memory Description				
Type (Flash, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SD CARD	4GB	via Diagnostics	Control set points, configuration settings, Boot Memory	NA
SEEPROM	256bytes	Via Diagnostics	Serial Presence Detect Config (for 4Gb DDR3 system memory)	NA
Flash	8MB	Via Diagnostic	BIOS Flash – Contains BIOS code for processor	NA
Flash	1MB	Via Diagnostic	Ethernet Boot Flash – Contains Ethernet config settings and MAC address	NA
Battery Backed SRAM	242 bytes	Via Diagnostic	Stores and maintains Date and Time	NA
SEEPROM	8MB	Via Diagnostics	Programs FPGA	NA
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

Non-Volatile Hard Disk Descriptions					
Drive / Partition (System, Image):	Removable Y / N	Size:	User Modifiable: <input type="checkbox"/> Y / N	Function:	Process to Clear:
System Disk / System partition	No	24GB	N with normal operation	Operating System, Fonts, configuration file storage.	NA
System Disk / Image partition	No	24GB	N with normal operation	Job Images	On Demand Image Overwrite
Additional Information:					
<p>This System disk contains the Linux Operating System and stores executables, fonts, and settings files. During normal operation, job files do not remain stored on this disk. One exception is "Print From", "Saved Jobs" feature. Customer jobs saved on the machine's hard disk using this feature must be manually deleted by the customer. If On Demand Overwrite and full is selected all saved jobs will be erased.</p> <p>The Image partition stores images in a proprietary encoded format in non-contiguous blocks. Customer image data is only stored to the image partition if EPC memory is full. User data and image data may be completely erased with a full Overwrite using a three-pass algorithm which conforms to NIST Special Publication 800-88 Rev1, and the entire image partition is erased and checked.</p>					

Media and Storage

Media and Storage Descriptions					
Type (disk drives, tape drives, CF/SD/XD memory cards etc.)	Removable Y / N	Size:	User Modifiable: <input type="checkbox"/> Y / N	Function:	Process to Clear:
None					
Additional Information:					

RFID Devices

RFID Devices	
RFID Device and location	Purpose
Toner bottle	Compatibility & Configuration Control
Additional Information:	

USB Port(s)	
Complete an entry for each USB port	
USB port and location	Purpose
Front panel – 1 Host port	User retrieves print ready files from Flash Media or stores scanned files on Flash Media. Physical security of this information is the responsibility of the user or operator. Upload of software upgrades, download of network logs, download and upload of machine settings for setup cloning.
Rear panel – 2 Host ports	User retrieves print ready files from Flash Media or stores scanned files on Flash Media. Physical security of this information is the responsibility of the user or operator. Upload of software upgrades, download of network logs, download and upload of machine settings for setup cloning. Optional security devices, such as a CAC reader, communicate with the machine via this port. No job data is transmitted across this interface when an optional security device is connected.
Rear panel – 1 Target port	User PC direct connection for printing, Xerox Customer Service Engineer PWS connection for problem diagnosis. The optional Copy Assistant kit communicates with the machine via this port. No job data is transmitted across this interface.
Additional Information: A number of devices can be connected to the 3 USB Host ports. 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.)	

3. Marking Engine Module Descriptions

The text below details the information regarding the volatile and non-volatile memory contained in the Altalink B8045/55/65/75/90 supported marking engines.

Volatile Memory

Volatile Memory Description				
Type (SRAM, DRAM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Clear:
SRAM (IOTC PWBA)	256KByte	N	Temporary Storage of variables	Power Off System
SRAM (UI PWBA)	6KByte	N	Temporary Storage of variables	Power Off System
SRAM (Scanner PWBA)	64KByte	N	Temporary Storage of variables	Power Off System
SRAM (SPDH PWBA)	24KByte	N	Temporary Storage of variables	Power Off System

Non Volatile Memory

Non-Volatile Memory Description				
Type (FLASH, EEPROM, etc)	Size	User Modifiable (Y/N)	Function or Use	Process to Sanitize:
Flash (IOTC PWBA)	2Mbyte	N	Permanent storage of IOTC executable program. User image data are not stored.	Not customer alterable.
MRAM (IOTC PWBA)	32KByte	N	Permanent storage of IOTC configuration parameters and setup data. User image data are not stored.	Not customer alterable.
Flash (UI PWBA)	32KByte	N	Permanent storage of UI executable program. User image data are not stored.	Not customer alterable.
Flash (UI PWBA)	32MByte	N	Permanent storage of UI sound files. User image data are not stored.	Not customer alterable.
Flash (UI PWBA)	256Byte	N	Permanent storage of UI LCD sound parameters. User image data are not stored.	Not customer alterable.
Flash (Scanner PWBA)	256KByte	N	Permanent storage of Scanner executable program. User image data are not stored.	Not customer alterable.
Flash (SPDH PWBA)	256KByte	N	Permanent storage of SPDH executable program. User image data are not stored.	Not customer alterable.
SEEPROM (SPDH PWBA)	1kByte	N	Permanent storage of SPDH executable program. User image data are not stored.	Not customer alterable.

4. Feeder and Finisher Module Descriptions

All memory inside the feeder/finisher devices listed below 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. 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 Module Descriptions

High Capacity Tandem Tray (Standard)

Trays 1-2 (Standard)

High Capacity Feeder

Finisher Module Descriptions

Centre Offsetting Tray

Office Finisher

Office Finisher with Booklet Maker

High Volume Finisher