Notice

This document describes the locations, capacities and contents of volatile and non-volatile memory devices within the WorkCentre 3655i. Also included are older 3655 devices that have 073.060.075.34540 or later firmware.

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 with extraordinary resources and measures or specialty equipment not normally available in the industry or to the public.

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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

<table>
<thead>
<tr>
<th>Type (SRAM, DRAM, etc.)</th>
<th>Size</th>
<th>User Modifiable (Y/N)</th>
<th>Function or Use</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDR3 SDRAM non ECC - System Memory</td>
<td>2GB</td>
<td>N</td>
<td>Executable code, Printer control data, temporary storage of job data</td>
<td>Power Off System</td>
</tr>
<tr>
<td>DDR2 SDRAM non ECC - Image Memory</td>
<td>1GB</td>
<td>N</td>
<td>Image data - copy/scan/print/Fax</td>
<td>Power Off System</td>
</tr>
<tr>
<td>DDR2 SDRAM non ECC - Page Buffer</td>
<td>512MB</td>
<td>N</td>
<td>Scanner image page buffer</td>
<td>Power Off System</td>
</tr>
<tr>
<td>DDR2 SDRAM non ECC - Page Buffer (Pyxis)</td>
<td>512MB</td>
<td>N</td>
<td>Scanner image page buffer</td>
<td>Power Off System</td>
</tr>
<tr>
<td>SRAM</td>
<td>1MB</td>
<td>N</td>
<td>JPEG image processing buffer</td>
<td>Power Off System</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Type (Flash, EEPROM, etc.)</th>
<th>Size</th>
<th>User Modifiable (Y/N)</th>
<th>Function or Use</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD CARD</td>
<td>4GB</td>
<td>via Diagnostics</td>
<td>Control set points, configuration settings, Boot Memory</td>
<td>Diagnostic</td>
</tr>
<tr>
<td>EEPROM</td>
<td>1Mb</td>
<td>Via Diagnostics</td>
<td>Programs Taurus ASIC</td>
<td>Diagnostic</td>
</tr>
<tr>
<td>EEPROM(Pyxis)</td>
<td>1Mb</td>
<td>Via Diagnostics</td>
<td>Programs Taurus ASIC</td>
<td>Diagnostic</td>
</tr>
<tr>
<td>Flash</td>
<td>38KB</td>
<td>Via Diagnostic</td>
<td>Boot sector for power manager, MAC address</td>
<td>Diagnostic</td>
</tr>
<tr>
<td>Battery Backed SRAM</td>
<td>6kB</td>
<td>Via Diagnostic</td>
<td>Power manager variables</td>
<td>Diagnostic</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Drive / Partition (System, Image):</th>
<th>Removable Y / N</th>
<th>Size:</th>
<th>User Modifiable: Y / N</th>
<th>Function:</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Disk / System partition</td>
<td>No</td>
<td>27GB</td>
<td>N with normal operation</td>
<td>Operating System, Fonts, configuration file storage.</td>
<td>Diagnostic Procedure</td>
</tr>
<tr>
<td>System Disk / Image partition</td>
<td>No</td>
<td>48GB</td>
<td>N with normal operation</td>
<td>Job Images</td>
<td>Diagnostic Procedure</td>
</tr>
</tbody>
</table>
Media and Storage Descriptions

<table>
<thead>
<tr>
<th>Type (disk drives, tape drives, CF/SD/XD memory cards, etc.):</th>
<th>Removable</th>
<th>Size:</th>
<th>User Modifiable:</th>
<th>Function:</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RFID Devices

<table>
<thead>
<tr>
<th>RFID Device and location</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>No RFID Devices are contained in the device</td>
</tr>
</tbody>
</table>

USB Port(s)

<table>
<thead>
<tr>
<th>USB port and location</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front panel – 1 Host port</td>
<td>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.</td>
</tr>
</tbody>
</table>
| 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.  
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.)
## Marking Engine Modules

### Volatile Memory

<table>
<thead>
<tr>
<th>Type (SRAM, DRAM, etc.)</th>
<th>Size</th>
<th>User Modifiable (Y/N)</th>
<th>Function or Use</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRAM (MCU PWBA)</td>
<td>32M x 16 bit</td>
<td>N</td>
<td>Temporary Storage of variables</td>
<td>Power Off System</td>
</tr>
<tr>
<td>RAM (UI PWBA)</td>
<td>1kbyte</td>
<td>N</td>
<td>Temporary Storage of variables</td>
<td>Power Off System</td>
</tr>
</tbody>
</table>

### Non-Volatile Solid State Memory

<table>
<thead>
<tr>
<th>Type (FLASH, EEPROM, etc.)</th>
<th>Size</th>
<th>User Modifiable (Y/N)</th>
<th>Function or Use</th>
<th>Process to Sanitize:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash (MCU PWBA)</td>
<td>16Mbit</td>
<td>N</td>
<td>Permanent storage of program. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (LED Driver, PWBA, K)</td>
<td>128Kbit</td>
<td>N</td>
<td>Permanent storage of setup data.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (MM PWBA)</td>
<td>128Kbit</td>
<td>N</td>
<td>Permanent storage of parameters and setup data. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (UI PWBA)</td>
<td>1kbit x 2</td>
<td>N</td>
<td>Permanent storage of setup data. Storage of UI error log data</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (DADF PWBA) LOW (PF2.01) or HIGH(PF2.02)</td>
<td>16Kbit</td>
<td>N</td>
<td>Permanent storage of DADF configuration code. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (TM PWBA)</td>
<td>2kbit</td>
<td>N</td>
<td>Permanent storage of TM configuration code. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>Flash or ROM (UI PWBA)</td>
<td>32kbyte</td>
<td>N</td>
<td>Permanent storage of UI executable code. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>ROM (DADF PWBA) LOW (PF2.01) or HIGH(PF2.02)</td>
<td>256Kbit</td>
<td>N</td>
<td>Permanent storage of DADH configuration code. User image data are not stored.</td>
<td>Not customer alterable.</td>
</tr>
<tr>
<td>EEPROM (IIT)</td>
<td>16Kbit</td>
<td>N</td>
<td>Permanent storage of setup data</td>
<td>Not customer alterable</td>
</tr>
</tbody>
</table>

### Media and Storage

<table>
<thead>
<tr>
<th>Type (disk drives, tape drives, CF/SD/XD memory cards, etc.):</th>
<th>Removable Y / N</th>
<th>Size:</th>
<th>User Modifiable: Y / N</th>
<th>Function:</th>
<th>Process to Clear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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 one 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 Feeder**
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.

**High Capacity Tandem Tray Module**
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.

**Three Tray Module**
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.

**One Tray Module**
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.

**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.**

**Integrated Office Finisher**
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.

**Office Finisher LX**
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.

**Professional Office Finisher**
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.

**BR Finisher**
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.

**BR Booklet Maker Finisher**
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.

**CZ Folder**
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.