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**cRIO-9004**



**Board Model Name**      **Board Part Number Range**  
cRIO-9002, cRIO-9004    191595J-03, 191595J-01

**Manufacturer:** National Instruments

**Volatile Memory**

Type	Size	User Accessible/ System Accessible <sup>1</sup>	Battery Backup?	Purpose	Method of Clearing <sup>2</sup>
<b>(9002)</b> DRAM	32 MB	Yes/Yes	No	RAM	Cycle Power
<b>(9004)</b> DRAM	64 MB	Yes/Yes	No	RAM	Cycle Power

**Non-Volatile Memory**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
Serial RTC	64 x 8bit	No/No	Yes	Real-Time Clock	None Available to User
Boot Flash	1Mbit	No/No	No	Firmware	None Available to User
<b>(9002)</b> Compact Flash	64 MB	Yes/Yes		Primary Storage	Cleared by Reformatting
<b>(9004)</b> Compact Flash	512 MB	Yes/Yes		Primary Storage	Cleared by Reformatting

**Media Storage**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
NONE					

**Clearing Notes:**

<sup>1</sup> Items are designated **No** for the following reason(s): a) Hardware changes or a unique software tool from National Instruments are required to modify contents of the memory listed. b) Hardware modifying software tools are not distributed to public users for any personal access or customization; also known as non-normal use.

<sup>2</sup> The designation *None Available to User* indicates that the ability to clear this memory is not available to the user under normal operation. The utilities required to clear the memory are not distributed by National Instruments to customers for normal use.

## Terms and Definitions

**User Accessible** User accessible memory allows the user to directly write or modify the contents of the memory during normal instrument operation.

**System Accessible** System accessible memory does not allow the user to access or modify the memory during normal instrument operation, however, may be accessed or modified by background processes. This can be something that is not deliberate by the user and can be a background driver implementation, such as storing application information in RAM to increase speed of use.

**Cycle Power** The process of completely removing power from the device and its components. This includes a complete shutdown of the PC and/or chassis containing the device; a reboot is not sufficient for the completion of this process.

**Volatile Memory** Volatile memory requires power to maintain the stored information. When power is removed from this memory, its contents are lost.

**Non-Volatile** Non-volatile memory retains its contents when power is removed. This type of memory typically contains calibration or chip configuration information, such as power up states.