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sbR10-9636



Letter of Volatility Under Normal Use Conditions sbRIO-9623,sbRIO-9626,sbRIO-9633,sbRIO-9636 Edition Date <March 2016> NI Part Number <376275A-01>

#### **Board Model Names**

9623/26/33/36 Series (sbRIO-9623, sbRIO-9626, sbRIO-9633, sbRIO-9636)

## **Board Part Number Range**

000000-00 (Please Call 1-866-ASK-MYNI for assistance with PN)

Manufacturer: National Instruments

#### **Volatile Memory**

Type <sup>1</sup>	·	User Accessible/ ystem Accessible <sup>2</sup>	Battery Backup?	Purpose	Method of Clearing <sup>3</sup>
(9623)					
DRAM	128 MB	Yes/Yes	No	RAM	Cycle power
(9626)					7
DRAM	256 MB	Yes/Yes	No	RAM	Cycle power
(9633)					
DRAM	128 MB	Yes/Yes	No	RAM	Cycle power
(9636)		6-			
DRAM	256 MB	Yes/Yes	No	RAM	Cycle power
(9623)					
FPGA	Spartan-6 LX.	25 Yes/Yes	No	FPGA	Cycle power
(9626)					
FPGA	Spartan-6 LX	45 Yes/Yes	No	FPGA	Cycle power
(9633)	~				a 1
FPGA	Spartan-6 LX.	25 Yes/Yes	No	FPGA	Cycle power
(9636)	C / /IV	45 V /V	3.7	FDC 4	C = 1
FPGA	Spartan-6 LX	43 Yes/Yes	No	FPGA	Cycle power

## **Non-Volatile Memory**

Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
CPLD	2 Kbits	No/No	No	General Logic	None available to user
(9623) SSD -BSP Firmw -FPGA Con		Yes/Yes No/No Yes/No	No No No	Primary Storage Firmware BSP FPGA Startup	Reformatting the drive None available to user Clear Startup App

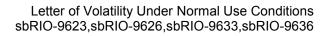
-

Contact: 866-275-6964 support@ni.com

<sup>&</sup>lt;sup>1</sup> Calibration constants that are stored in device EEPROMs include information for the device's full operating range. Calibration constants do not maintain any unique data for specific configurations at which the device is used unless otherwise specified.

<sup>&</sup>lt;sup>2</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.

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.





Type	Size	User Accessible/ System Accessible	Battery Backup?	Purpose	Method of Clearing
Media Sto	orage				
-FPGA Config		Yes/No	No	FPGA Startup	Clear Startup App
-BSP Firmware		No/No	No	Firmware BSP	None available to user
SSD	512 MB	Yes/Yes	No	Primary Storage	Reformatting the drive
(9636)				•	1 11
-FPGA Config		Yes/No	No	FPGA Startup	Clear Startup App
-BSP Firmware		No/No	No	Firmware BSP	None available to user
SSD	256 MB	Yes/Yes	No	Primary Storage	Reformatting the drive
(9633)				•	1 11
-FPGA Config		Yes/No	No	FPGA Startup	Clear Startup App
-BSP Firmware		No/No	No	Firmware BSP	None available to user
SSD	512 MB	Yes/Yes	No	Primary Storage	Reformatting the drive
(9626)					

NONE

**Clearing Notes:** 

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# **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.

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