

Declaration of Volatility

Products

Model Number	Description
GX1649	Analog Output / Arbitrary Waveform Generator
GX1649-1	Analog Output / Arbitrary Waveform Generator with Streaming

Volatile Memory

This product contains the following volatile memory, which is erased every time power is removed from the product.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
FPGA SRAM	256 Kb	No	No	PXI Bus Interface, Firmware memory, Data Buffering	Cycle power
SRAM	32 Mb	Yes	No	Waveform Buffering	Cycle power

Non-Volatile Memory

This product contains the following non-volatile memory, which the contents are retained when power is removed from the product.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
EEPROM ¹	512 B	No	No	Store Calibration data for instrument	Not Available to User ²
EEPROM	4 Mb	No	No	FPGA Configuration	Not Available to User ²

Media Storage

This product contains no media storage devices.

Type	Size	User Accessible	Battery Backup	Purpose	Clearing Method
None	N/A	N/A	N/A	N/A	N/A

Notes:

1. Calibration constants that are stored in device EEPROMs include information for the device's full operating temperature range. Calibration constants do not maintain any unique data for specific configurations at which the device is used unless otherwise specified.
2. Not available to user indicates that the ability to clear this memory is not available to the end user under normal operating conditions. The utility required to clear the memory are not distributed by Marvin Test Solutions to customers for normal use.