



# Statement of Volatility

Model 826 PCI Express Analog + Digital I/O Board

Sensoray's model 826 board contains various types of volatile and non-volatile memory. The types of memory on the board – along with the types of data stored in each – are described below.

## Non-volatile memory

All non-volatile memory (NVM) is factory programmed. Normally, NVM is not reprogrammed after the board leaves the factory, but it is possible to reprogram NVM in customer equipment via in-system programming (ISP). These NVM devices reside on the board:

Type	Device	Capacity	Function
EEPROM	25LC040	4 Kbit	Configuration data for PCI Express interface
	93LC66	4 Kbit	
	25LC040	4 Kbit	Calibration data for analog I/O interfaces
Flash	XCF04S	4 Mbit	FPGA firmware

## Volatile memory

The board's volatile memory (VM) is overwritten upon PCIe bus reset. Data is typically retained in VM only while power is applied to the board, though it is possible for data to persist after power has been removed. These VM devices reside on the board:

Type	Device	Capacity	Function
RAM (embedded)	XC3S700A	452 Kbit	Registers and memory buffers for peripheral interfaces (e.g., GPIO, analog I/O, counter/timers)
		4 Mbit	Runtime store for FPGA firmware

## Media

The board does not contain or provide interfaces for media storage devices such as CD/DVD, SSD, floppy/hard disk drives, tape drives or memory cards.

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