Date: 10/10/2017

| Certificate of Volatility | | | | |
|---|---|---|---|---|
| **Model:** **DNx-IRIG-650** | **Part Number:** **DNx-IRIG-650** | **Manufacturer: United Electronic Industries, Inc** | | |
| | | **Street Address: 27 Renmar Ave** | | |
| | | **City: Walpole** | **State: MA** | **Zip: 02081** |

### Volatile Memory

**Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?**
X☐ Yes          ☐ No

**If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):**

| Type (SRAM, DRAM, etc.): | Size: | User Modifiable: | Function: | Process to Clear: |
|---|---|---|---|---|
| **FPGA implementation of SRAM** | **2048 byte** | ☐ Yes X☐ No | **FIFO buffers data to ensure no data loss during Ethernet communications.** | **Power off** |
| Type (SRAM, DRAM, etc.): | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |
| Type (SRAM, DRAM, etc.): | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |

### Non-Volatile Memory

**Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?**
X☐ Yes          ☐ No

**If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):**

**Can this item contain Cache or Buffer information after shut down?**
☐ Yes          X☐ No

| Type (BBRAM, Flash, EEPROM, etc.): | Size: | User Modifiable: | Function: | Process to Clear: |
|---|---|---|---|---|
| **EEPROM** | **2048** | X☐ Yes ☐ No | **Stores board info such as Serial number, rev number and calibration info** | **Requires a specific overwrite command which may negatively impact board performance.** |
| Type (BBRAM, Flash, EEPROM, etc.): | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |
| Type (BBRAM, Flash, EEPROM, etc.): | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |

### Media

**Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.)?**
☐ Yes          X☐ No

**If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):**

| Type (Disk, Tape, etc.): Removable: ☐ Yes ☐ No | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |
|---|---|---|---|---|
| Type (Disk, Tape, etc.): Removable: ☐ Yes ☐ No | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |
| Type (Disk, Tape, etc.): Removable: ☐ Yes ☐ No | Size: | User Modifiable: ☐ Yes ☐ No | Function: | Process to Clear: |

**Additional Information:**

UEI's PowerDNA RACKtangles and Cubes do not store any data, input or output, in any non-volatile memory unless the writing of this data is specifically implemented in the customer software. All data written to and/or read from PowerDNA chassis is lost within seconds of power loss or if the power switch is turned off.

The only exception to this rule is the user, either via the API or PowerDNA Explorer, may store default "power on" and "emergency shut-down" output conditions/states of the analog and digital output devices. Note that even this data is ONLY written to non-volatile memory upon specific instructions either from PowerDNA Explorer or the appropriate API call and never from standard data I/O functions.

| Validation Test |
|---|
| **Does the item have a validation test method? (to determine that it has been returned to default settings, cleared, flushed)** <br> ☐ **Yes**      X☐ **No** |
| **If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):** |
| **Additional Information:** |

| Vendor Representative Information | | | |
|---|---|---|---|
| **Name:** <br> **Austyn Turner** | **Title:** <br> **Application Engineer** | **Office Phone:** <br> **508-921-4592** | **Fax/Email:** <br> **aturner@ueidaq.com** |
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The information contained on this form shall be considered **Company Proprietary Data** furnished by the item manufacturer. The data shall be released only to UEI customer employees or US Government representatives as necessary to accomplish the intended task (i.e., obtaining approval to operate a system processing classified data and incorporating the described item). The data shall not be disseminated to other vendor/contractor personnel without the express written authorization of the manufacturer.