Date: 5/29/12

Certificate of Volatility				
Model: **DNR-DIO-433**	**Part Number:** **DNR-DIO-433**		**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:

Validation Test

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

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.

Vendor Representative Information			
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