

<b>Certificate of Volatility</b>				
<b>Model:</b> White Rabbit ZEN TP-32BNC	<b>Part Number:</b> EQP-TP32BNC-02	<b>Manufacturer:</b> Safran Electronics & Defense SLU		
		<b>Street Address:</b> Calle Periodista Rafael Gómez Montero, 2		
		<b>City:</b> Granada	<b>State:</b> Granada	<b>Zip:</b> 18014
<b>Volatile Memory</b>				
<b>Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<b>If the answer is 'Yes', please provide the following information for each type:</b>				
<b>Type (SRAM, DRAM, etc.):</b> DDR3 – SDRAM (IC5)	<b>Size:</b> 512GB	<b>User Modifiable:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Function:</b> Operating system and application memory	<b>Process to Sanitize:</b> Power down
<b>Type (SRAM, DRAM, etc.):</b> Zynq on-chip RAM (U9)	<b>Size:</b> 256KB	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Application memory	<b>Process to Sanitize:</b> Power down
<b>Type (SRAM, DRAM, etc.):</b> Zynq FPGA (U9)	<b>Size:</b> 3.3Mb	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Timing subsystem & programmable logic	<b>Process to Sanitize:</b> Power down
<b>Non-Volatile Memory</b>				
<b>Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<b>If the answer is 'Yes', please provide the following information for each type:</b>				
<b>Type (BBRAM, Flash, EEPROM, etc.):</b> NOR Flash (U22)	<b>Size:</b> 32MB	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Bootloader and recovery image.	<b>Process to Sanitize:</b> None
<b>Type (BBRAM, Flash, EEPROM, etc.):</b> Zynq on-chip ROM (U9)	<b>Size:</b> 128KB	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> This is where the BootROM of the ARM processor resides.	<b>Process to Sanitize:</b> None
<b>Type (BBRAM, Flash, EEPROM, etc.):</b> EEPROM (IC14)	<b>Size:</b> 8KB	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Maintains the serial number of the platform and some calibration parameters.	<b>Process to Sanitize:</b> None
<b>Type (BBRAM, Flash, EEPROM, etc.):</b> EEPROM (U1) - MINIEXP-01 board	<b>Size:</b> 2Kb	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Maintains the serial number of the MINIEXP-01 board.	<b>Process to Sanitize:</b> None
<b>Type (BBRAM, Flash, EEPROM, etc.):</b> EEPROM (U3) – EXP32BNC-01 board	<b>Size:</b> 2Kb	<b>User Modifiable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Function:</b> Maintains the serial number of the EXP32BNC board and its calibration parameters.	<b>Process to Sanitize:</b> None

<b>Media</b>				
<b>Does the item contain media storage capability (i.e., removable or nonremovable disk drives, tape drives, memory cards, etc.)?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<b>If the answer is 'Yes', please provide the following information for each type:</b>				
<b>Type (Disk, Tape, etc.):</b> Micro SD memory card  <b>Removable:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Size:</b> 16GB	<b>User Modifiable:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Function:</b> System filesystem with operating system, application, and user storage during operation	<b>Process to Sanitize:</b> Perform system update operation with forced and clean options or remove disk.
<b>Additional Information:</b> None				
<b>Orolia Representative Information</b>				
<b>Name:</b> Carlos Valenzuela	<b>Title:</b> Product Manager	<b>Office Phone:</b> P +34 958 285 024 M +34 687 331 178	<b>Fax/Email:</b> carlos.valenzuela@nav-timing.safrangroup.com	
<b>Signature:</b>			<b>Date:</b>	