

Certificate of Volatility

Model: White Rabbit ZEN TP-32BNC	Part Number: EQP-TP32BNC-02	Manufacturer: Safran Electronics & Defense SLU
		Street Address: Calle Periodista Rafael Gómez Montero, 2
	City: Granada	State: Granada Zip: 18014

Volatile Memory

Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?

☒ Yes ☐ No

If the answer is 'Yes', please provide the following information for each type:

Type (SRAM, DRAM, etc.): DDR3 – SDRAM (IC5)	Size: 512GB	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: Operating system and application memory	Process to Sanitize: Power down
Type (SRAM, DRAM, etc.): Zynq on-chip RAM (U9)	Size: 256KB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Application memory	Process to Sanitize: Power down
Type (SRAM, DRAM, etc.): Zynq FPGA (U9)	Size: 3.3Mb	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Timing subsystem & programmable logic	Process to Sanitize: Power down

Non-Volatile Memory

Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?

☒ Yes ☐ No

If the answer is 'Yes', please provide the following information for each type:

Type (BBRAM, Flash, EEPROM, etc.): NOR Flash (U22)	Size: 32MB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Bootloader and recovery image.	Process to Sanitize: None
Type (BBRAM, Flash, EEPROM, etc.): Zynq on-chip ROM (U9)	Size: 128KB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: This is where the BootROM of the ARM processor resides.	Process to Sanitize: None
Type (BBRAM, Flash, EEPROM, etc.): EEPROM (IC14)	Size: 8KB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Maintains the serial number of the platform and some calibration parameters.	Process to Sanitize: None
Type (BBRAM, Flash, EEPROM, etc.): EEPROM (U1) - MINIEXP-01 board	Size: 2Kb	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Maintains the serial number of the MINIEXP-01 board.	Process to Sanitize: None
Type (BBRAM, Flash, EEPROM, etc.): EEPROM (U3) – EXP32BNC-01 board	Size: 2Kb	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Maintains the serial number of the EXP32BNC board and its calibration parameters.	Process to Sanitize: None

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