

1 April 2024

Re: Volatility of Quasonix TMoIP Processor Systems

To Whom It May Concern:

The TMoIP Processor processes telemetry data in two configurations: as a packetizer and as a depacketizer. In the packetizing configuration, telemetry data enters the system via the BNC or MDM-25 ports, then passes through the processing system, and exits the system via the Data Ethernet port. During this processing, the telemetry data resides in volatile SDRAM, but is never stored in non-volatile memory.

The depacketizing configuration processes data in the reverse order: Ethernet packets containing telemetry data are received, processed, and the telemetry data is then sent out via the BNC or MDM-25 ports. During this processing, the telemetry data resides in volatile SDRAM, but is never stored in non-volatile memory.

Our standard Letter of Volatility is attached.

Best Regards,



Terrance J. Hill

Letter of Volatility				
Model:	Part Numbers:	Manufacturer: Quasonix, Inc.		
TMOIP Processor	QSX-TMOIP-* QSX-RDMS-* -IP2 option	Street Address: 6025 Schumacher Park Dr.		
		City: West Chester	State: OH	Zip: 45069
Volatile Memory				
Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):				
Type (SRAM, DRAM, etc.): SDRAM	Size: 4 GByte	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: System memory, configuration	Process to Sanitize: Shut down and remove power from system
Type (SRAM, DRAM, etc.): SDRAM	Size: 1 GByte	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: System memory	Process to Sanitize: Shut down and remove power from system
Type (SRAM, DRAM, etc.):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:
Non-Volatile Memory				
Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):				
Type (BBRAM, Flash, EEPROM, etc.): Flash	Size: 8 GByte	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Boot files, file system, system configuration storage	Process to Sanitize: None; payload data not stored in flash
Type (BBRAM, Flash, EEPROM, etc.): Flash	Size: 64 MByte	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Boot file storage	Process to Sanitize: None; payload data not stored in flash
Type (BBRAM, Flash, EEPROM, etc.): Flash	Size: 4 KByte	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Power on/off control	Process to Sanitize: None; payload data not stored in flash
Type (BBRAM, Flash, EEPROM, etc.): Flash	Size: 2 Kbit	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: General storage	Process to Sanitize: None; payload data not stored in flash
Media				
Does the item contain media storage capability (i.e., removable or non-removable 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 (use additional sheets if required):				
Type (Disk, Tape, etc.): SD Memory card (internal) Removable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Size: 64 GByte	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: Boot files, filesystem, configuration storage	Process to Sanitize: None; payload data not stored in flash
Additional Information:				
Vendor Representative Information				
Name: Terry Hill	Title: Chief Scientist	Office Phone: 513-346-2060	Fax/Email: thill@quasonix.com	