



58542 VXIbus Power Meter

Instrument Security and Memory Sanitization Procedure

Certificate of Volatility

Model: 58542	Part Number:	Manufacturer: Giga-tronics Inc.		
		Street Address: 4650 Norris Canyon Rd.		
		City: San Ramon	CA	Zip: 94583

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 (use additional sheets if required):

Type (SRAM, DRAM, etc.): SDRAM U19-U20 ON PCA #21356	Size: 32K X 8	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: DATA BUFFER	Process to Sanitize: NA
Type (SRAM, DRAM, etc.): CMOS U6,U7,U18 AND U19 PCA #33416	Size: 32KX8	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: SYSTEM OPERATION MEMORY	Process to Sanitize: NA
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)?
 Yes No

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

Type (BBRAM, Flash, EEPROM, etc.): EEPROM U13-U16 ON PCA #21356	Size: 128KX8	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: SYSTEM OPERATING FIRMWARE	Process to Sanitize: NA
Type (BBRAM, Flash, EEPROM, etc.): SDRAM U21-U22 ON #21356 PCA BATTERY BACKED	Size: 32KX8	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: SENSOR CALIBRATION TABLES	Process to Sanitize: SEE BELOW
Type (BBRAM, Flash, EEPROM, etc.): EEPROM SERIAL U2 PCA3#33416	Size: 329K	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: SYSTEM OPERATING FIRMWARE	Process to Sanitize: NA

Media

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

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

Type (Disk, Tape, etc.): Removable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:
Type (Disk, Tape, etc.): Removable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:

Additional Information:

Vendor Representative Information

Name: TOM HANEY	Title: CUSTOMER SERVICE MGR	Office Phone: (925)328-4650 X4727	Fax/Email: thaney@gigatronics.com
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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 (use additional sheets if required):

Type (BBRAM, Flash, EEPROM, etc.): EPROM U15 ON PCA#33416	Size: 128KX1 6	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: SYSTEM OPERATING FIRMWARE	Process to Sanitize: NA
Type (BBRAM, Flash, EEPROM, etc.):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:
Type (BBRAM, Flash, EEPROM, etc.):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:

Process to Sanitize:

Only perform this procedure at an ESD protected station. To Clear the memory remove the two Phillips screws from the cover (the side with the address switch) and slide the cover away from the Front Panel, toward the rear connectors, and then raise the cover straight up. The battery is located near the front and has a two wire red and black twisted pair of which terminates at the connector on the digital PCA, which you will remove and leave off for at least 15 MINUTES (or short the two PCA terminal together to hasten the process). Reverse this procedure to complete this process.

This process will cleanse all user stored settings, past measurements as well as sensor characterization tables.