

GT1648 SERIES



ANALOG OUTPUT ISA CARDS

- 48 analog outputs
- 12-bit Resolution
- Output Range: -10 V to +10 V
- Output Current : ± 10 mA per channel
- Update Range: 20 kHz
- Settling time: 50 μ s
- Simultaneous updating on all channels
- DISCONTINUED - SEE DETAILS BELOW



*****PRODUCT AVAILABILITY*****

This product has been discontinued.

The initial release of this product was approximately 1990.

Please contact the factory for availability and alternate product offerings.

Please review the GX1642, GX1648 and GX1649 for the latest product alternatives.

On-Line help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.

APPLICATIONS

- Discrete avionics testing
- Automatic Test Equipment (ATE)
- Multiple DC source

DESCRIPTION

Marvin Test Solutions' GT1648 D/A board is designed specifically for applications where multiple analog outputs are required. The GT1648 offers precision signal sourcing performance and quality at an economical price.

FEATURES

The GT1648 is organized in groups of eight channels. Each group is programmed and triggered independently. All groups can be updated simultaneously. The GT1648 channels provide single-ended voltage output. All channels power up to 0 V to prevent inadvertent damage to external equipment. The connection to the GT1648 is through a single 78-pin D-Type connector. A mating connector is supplied with the board.

PROGRAMMING AND SOFTWARE

The board is supplied a 32-bit DLL driver. Various interface files provide access to the DLL from programming tools and languages such as ATEasy, LabVIEW, C/C++, Microsoft Visual Basic®, Delphi, and more. The available virtual panel can be used to interactively adjust and control the instrument from a window that displays the current instrument settings and measurements.



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SPECIFICATIONS

GENERAL	
Number of Output Channels	48 (64 optional)
Output Voltage Ranges	-10 V to +10 V
Number of Ranges	4 (each group)
Selectable Output Voltage Ranges	0 - 10 V, ± 10 V, 0 - 5 V, ± 5 V
Resolution	12-bit
Accuracy	3 mV \pm 1 LSB
Slew Rate	0.5 V/ μ s
Settling Time	50 μ s to 0.1% (max)
Maximum Current Per Channel	10 mA
Power Supply 5 VDC Current	2.5 A
Operating Temperature	0 °C to +55 °C
Storage Temperature	-20 °C to +70 °C
Size	10" long ISA card
Weight	12 oz

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GT1648	48 Channel D/A +/- 10V
GT1648B	64 Channel D/A +/- 10V



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