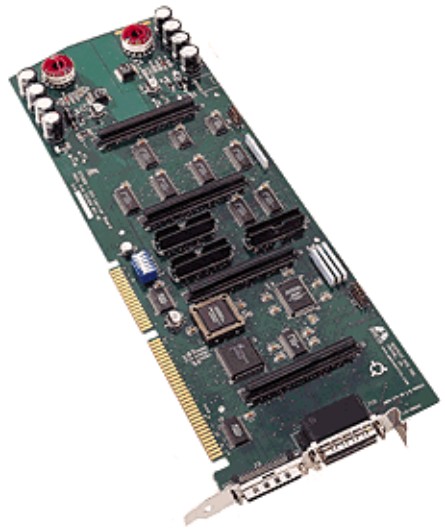
GT5900

DIGITAL I/O MODULE CARRIER CARD

- Hosts any two of the GT5150 I/O modules
- High power and custom signal interfacing for high speed digital testing applications
- Conversion of GT25/50-DIO signals to custom levels
- Supports single-ended and differential applications
- 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 GX5xxx Series for the latest Digital I/O product alternatives.

DESCRIPTION

The GT5900 expands the performance of the GT25/50-DIO product series. Previously, the GT50-DIO could only generate and capture TTL level signals. Using the GT5900 and the plug-in I/O modules, the GT50-DIO's data stream may be any standard or custom level, including special operations such as frequency doubling and differential I/O. The GT5900 is a full-size ISA card and accommodates two I/O plug-in modules.

ARCHITECTURE

The GT5900 module carrier card provides mounting space and power and signal interfaces for two GT5150 I/O modules or any two custom modules. The GT5900 creates -5 V_{DC} @ 2 A and -12 V_{DC} @ 3 A sources from the ISA bus +12 V_{DC} supply. These are positive to negative buck-boost switching power supplies. These DC sources are available for custom module power. High density SCSI type connectors provide the interface required to meet single and differential ended applications.

PROGRAMMING AND SOFTWARE

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

APPLICATIONS

- PECL to TTL and TTL to PECL conversion
- Programmable output levels and input thresholds
- Single-ended to differential and differential to single-ended
- Frequency doubling

LEGACY

GT5900

SPECIFICATIONS

Power	Minimum	Maximum
Power Required		
5 V_{DC}	400 mA	3.5 A
12 V_{DC}	100 mA	2.5 A
Power Generated on Board		
-5 V_{DC}	3 A	
-12 V_{DC}	2 A	
PHYSICAL		
Operating Temperature	0 °C to +50 °C	
Storage Temperature	-20 °C to +70 °C	
Size	13.2" x 4.8" (Full Size ISA Card)	
Weight	275 g	

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GT5900	I/O Module Carrier (allows one or two GT59X0 I/O Modules to be used with GT25/50-DIO)
I/O MODULE (SELECT ONE OR TWO)	
GT5910	TTL I/O Module for GT5xxx Cards
GT5930	Programmable-Levels I/O Module for GT5xxx Cards
GT5940-R	PECL Input Module for GT515X, 32 PECL Channels at Up to 50MHz
GT5940-T	PECL Output Module for GT515X, 32 PECL Channels at Up to 50MHz
GT5960	LVDS I/O Module for GT5xxx Cards
ACCESSORY	
TS-900e-5G-BMC	Blind mate connectors (one pair), DC - 40 GHz, 2.92mm
GT95015	Connector Interface for all 5xxx/35xx, SCSI to 100 Mil Grid, Differential
GT95021	2 ft. Shielded Cable for all 5xxx/35xx (68 Pin)
GT95022	3 ft Shielded Cable for all 5xxx/35xx (68 Pin)
GT95022E	3 ft Shielded Cable for all 5xxx/35xx (68 Pin) Not Terminated One End
GT95028	10 ft shielded cable for 5xxx/35xx products (68 Pin)
GT95031	6 ft Shielded Cable for all 5xxx/35xx (68 Pin)
GT95035E-48	Shielded Flying Lead Cable for all 5xxx/35xx (68 Pin), 48".
GT95032	1 ft. Shielded cable with 68 Pin SCSI connectors

LEGACY