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Find the *TAMS 488-001-C* at our website: ***Click HERE***

TAMS 71488 card sets a new standard for IEEE488.2 performance



I/O performance is imperative in instrument control. The computer should always be waiting for the instrument and not the other way around. The TAMS 71488 can deliver all the speed that your instruments need.

By moving software functions into hardware and concentrating on improving the performance of small transactions the 71488 is able to offer real world performance improvements.

In tests with a workstation running HP-UX 11i and an HP/Agilent 81110A Pulse/Pattern Generator small transactions of iwrite and the associated iread on the 71488 were measured at 391 transactions/sec; a factor of 4.5 times faster than the TAMS 70488 card in identical tests. While the greatest performance improvement is visible in small transactions, the maximum speed has not been compromised.

Using a single number to characterize performance of GPIB, or any type of I/O operation can be misleading. There are many factors that affect actual performance: the amount of data being transferred; the size of data blocks; the difference between read and write speeds; programming language; the computer being used; etc. As a result, we do not recommend basing any decisions on maximum transfer rate. However, to conform to the industry standard of specifying maximum I/O speed, the TAMS 71488 card can be specified to exceed 1MB/s.

The TAMS 71488 is fully compliant with the PCI specifications for 3.3V and 5V PCI/PCI-X slots and delivers the highest possible level of throughput. The card operates with 32 bit or 64 bit signaling specified at 33, 66, 100 or 133MHz, allowing complete configuration flexibility. Whether you are using BASIC/11i, or programming in C with the SICL or VISA library, your code will now run at full performance.

General Requirements:

Minimum System Requirements:	HP-UX 11i Version 1 TCOE (Technical Computing Operating Environment) or HP-UX 11i Version 1 MTOE (Minimal Technical Operating Environment) Series 700 workstation, (1) available PCI slot, and the SICL/VISA I/O Libraries 72091.
Supported Standards:	PCI, PCI-X, IEEE-488.1 and IEEE-488.2, SICL, VISA
Supported Software Development:	BASIC/UX, ANSI-C

General Characteristics:

Dimensions:	121 mm x 76 mm x 16mm including connectors (smaller than PCI half length card.)
Weight:	125 grams
Maximum I/O speed:	>1MB/s.
PCI:	3.3 or 5v; 32 bit or 64 bit signaling; 33, 66, 100 or 133MHz; PCI or PCI-X
Power:	+5V 500 mA (max), 390 mA (typical)
GPIB Loads:	1 or 11, user selectable.

Connector:	Cannon 25 position Microminiature Connector.
Cable:	TAMS 488 (see below)
Warranty:	1 Year

Environmental Specifications:

Operating Environment:	0 degrees C to +40 degrees C
Storage Environment:	-20 degrees C to +60 degrees C
Humidity:	20-80% (0 degrees C to +40 degrees C)
Storage Humidity:	20-80% (0 degrees C to +55 degrees C)

Ordering Information:

Model #:	71488
Price:	$995.00
Standard Shipped Components:	(1) 71488 High Speed PCI GPIB Interface. (1) TAMS I/O Library for HPUX 11i License to Use. (p/n: 72091-0700) (1) Operation Instructions for HP-UX. (1) Driver Software for HPUX 11i on CD-ROM.

TAMS 488 cable and Media CD for I/O Library are not included and should be ordered separately if needed.

TAMS 488 Cables:
Our cable is a high density connector on one end and a standard GPIB connector on the other. Our card uses a smaller, high density connector so as to be in full compliance with the PCI specification. A standard GPIB connector on a PCI card is actually wider than the PCI specification allows. With a standard GPIB connector and cable, it is sometimes impossible to connect the cable to some computers. The large connectors often interfere with the case or adjacent expansion slots. This stresses the cable, card or connection. Our high density connector allows multiple cards to be installed in adjacent slots without cable interference or connection strain.



HP-IB Cable with high density connector

488-001	2-meter	$98.00
488-004	4-meter	$135.00
488-006	6-meter	$155.00

Documentation:

Printable Datasheet:	71488-012805.pdf
Manual & Readme:	71488 Support
Drivers:	Contact TAMS for assistance.

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