

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

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

TAMS 81488 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 81488 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 81488 is able to offer real world performance improvements.

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 81488 card can be specified to exceed 1MB/s. In addition, our tests have shown the 81488 to be 4.5 times than the 80488 for small transactions.

The TAMS 81488 is fully compliant with the PCI specifications for 3.3V and 5V PCI or 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 for Linux or programming in C with the SICL or VISA library, your code will now run at full performance.

TAMS is fully committed to supporting the Linux operating system. By supporting Linux with TAMS products, we are enabling our customers to deploy test and measurement solutions on the lowest cost hardware and operating system infrastructure. We believe that Linux is more attractive today than it ever was, as customers are looking for reliable and cost effective solutions.

General Requirements:

Minimum System Requirements:	Red Hat Linux 9 or Red Hat Enterprise Linux 3 (click here to see supported kernel information) PCI slot, & TAMS 82091 I/O Library for Red Hat Linux (included)
Supported Standards:	PCI, PCI-X, IEEE-488.1 and IEEE-488.2, SICL, VISA
Supported Software Development:	BASIC for Linux and 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:	ITT Cannon 25 position MDSM 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 #:	81488
Price:	$525.00
Standard Shipped Components:	(1) 81488 High Speed PCI GPIB Interface. (1) TAMS I/O Library for Red Hat Linux License to Use. (p/n: 82091-0700) (1) TAMS I/O Library for Red Hat Linux/Driver CD. (1) Operating Instructions for Red Hat Linux. TAMS 488 cable is not included and should be ordered separately.

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.



GPIB 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:	81488-012805.pdf
Operation Manual & Drivers:	81488 Support

All referenced prices are United States Dollars.
Copyright © 1997-2005 Test & Measurement Systems Inc.
Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.
Specifications are subject to change without notice.

Test & Measurement Systems Inc.
750 14th Street SW
Loveland, CO 80537

Tel: + 970-669-6553
Fax: + 970-669-3090
sales @ tamsinc.com

11 May, 2006

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP