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

## TAMS 61488 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 61488 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 61488 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 61488 card can be specified to exceed 1MB/s. In addition, our tests have shown the 61488 to be 4.5 times than the 60488 for small transactions.

The TAMS 61488 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 HTBasic for Windows or programming in C with the SICL or VISA library, your code will now run at full performance.

**General Requirements:**

| | |
|---|---|
| Minimum System Requirements: | Windows XP<br>PCI slot, & Agilent I/O Library E2094M or later. |
| Supported Standards: | PCI, PCI-X, IEEE-488.1 and IEEE-488.2, SICL, VISA |
| Supported Software Development: | HTBasic for Windows or 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:**

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|---|---|
| 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.<br>(1) Operation Instructions for Windows.<br>(1) Driver Software for Windows on CD-ROM. |

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: | 61488-031006.pdf |
| Operation Manual & Drivers: | 61488 Support |



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