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 *Keysight / Agilent E1482B* at our website: *Click HERE*

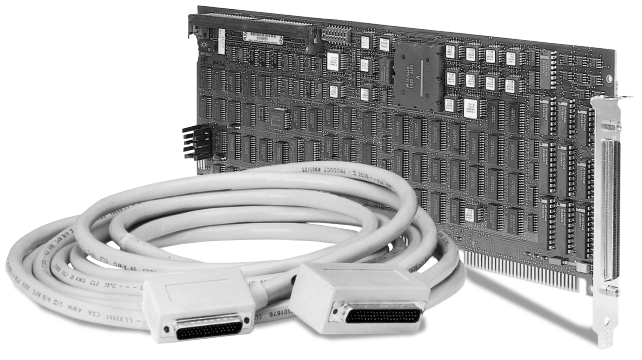
STEP Dionysos Job: 210%XXX5327-0001 5965-5523E Comp: 04-28-00 Time: 10:46 OP: NN

Agilent E1489C

MXI Interface for HP S/700 + Software

Data Sheet

- **Highest performance interface card for HP Series 700**
- **External controller flexibility**
- **Embedded controller speed**
- **Cross-platform compatibility**
- **Includes SICL and VISA I/O Libraries**



Description

The Agilent E1489C EISA/ISA-to-MXIbus Interface **connects Hewlett-Packard 9000 Series 700 computers with EISA backplanes to the MXIbus.** This card, **not a VXI module**, plugs into EISA/ISA backplane of the controller. When used with SICL or VISA, the I/O Libraries for instrument control, HP 9000 Series 700 computers can talk directly to the VXI backplane. This gives you the advantages of external controllers, plus the speed and throughput of direct memory-mapped access to the VXI backplane.

SICL/VISA, included with the EISA/ISA-to-MXIbus Interface, provides ease of use and cross-platform compatibility. This compatibility means that application programs written for one platform can be recompiled and run on other platforms that use the same I/O library. The Agilent E1489C extends both the MXIbus and INTX (Interrupt and Timing Extension) buses.

The E1489C holds 1 or 4 MB of high-speed dual ported memory. The controller can access the A24 address space memory locally, and any VME or VXI card with direct backplane access can use it for temporary data storage or other uses. It has one SIMM connector and can hold either a 1 MB or 4 MB, 80 ns, no parity, PC-compatible SIMM module.

Refer to the Agilent Technologies Website for instrument driver availability and downloading instructions, as well as for recent product updates, if applicable.

Improved System Control

Unlike other MXIbus interfaces, the E1489C extends both the MXIbus and INTX (Interrupt and Timing Extension) buses. INTX support gives better system control by direct access to the SYSRESET, SYSFAIL, and ACFAIL lines. Changes in system status can be transparently handled by the controller

Agilent Technologies
Innovating the HP Way

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

and lock-ups eliminated. INTX support also gives better interrupt response time by direct connection to the seven VME/VXI IRQ lines and better triggering by direct interaction with the eight TTL trigger lines.

Related Products

The E1489C must be connected via MXI controller cable to the E1482B VXIbus Extender.

Product Specifications

Interface Characteristics

Operating system:	HP-UX, 9.x, 10.01, 10.20
Controller:	Series 700
I/O library:	SICL/VISA
Backplane:	EISA
Max. I/O speed:	
16 bit:	2.0 MB/s
32 bit:	4.0 MB/s (with E1482B)
Languages:	C/C++, HP VEE
Communications:	Supports register-based, message-based, and shared memory communication
Multiple mainframe communications:	Supports transparent communication to one or more VXI cardages using the Agilent E1482B VXIbus Extender.

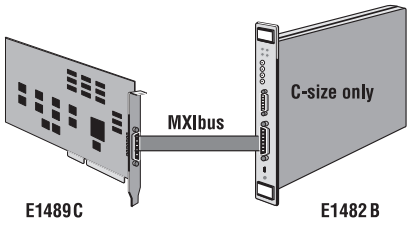
General Specifications

VXI Characteristics

VXI device type:	n/a
Data transfer bus:	A16/A24/A32 D08/D16 (master/slave) D32 (master)
Size:	n/a
Slots:	n/a
Connectors:	n/a
Shared memory:	Yes (D08 and D16 only)
VXI busses:	n/a
C-size compatibility:	Yes

Ordering Information

Description	Product No.
MXI Interface for S/700 + Software	E1489C
Add'l 1 Meter MXI/INTX cable	E1489-61601
2 meter MXI/INTX cable	E1489C 002
If Ordered Separately	E1489-61602
4 meter MXI/INTX cable	E1489C 004
If Ordered Separately	E1489-61604
MXI/700 Hardware only	E1489C 005
DDS cartridge	E1489C AAH



EISA/ISA-to-MXIbus Interface

MXIbus Extender (MXIbus-to-VXIbus) MXI-VXI Connection

STEP Dionysos Job: 210%XXXX5328-0002 5965-5523E Comp: 04-28-00 Time: 10:46 OP: NN

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Related Literature

2000 Test System and VXI Catalog CD-ROM,
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

2000 Test System and VXI Catalog,
Agilent Pub. No. 5980-0307E (overview of VXI products)

1998 Test System and VXI Products Data Book,
Agilent Pub. No. 5966-2812E

Online

Internet access for Agilent product information, services and support
www.agilent.com/find/tmdir

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxichanpart

Agilent Technologies' HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
www.agilent.com/find/inst_drivers

Agilent Technologies Electronics Manufacturing Test Solutions
www.agilent.com/go/manufacturing

Get assistance with all your test and measurement needs at
www.agilent.com/find/assist
or check your local phone book for the Agilent office near you.

Agilent Technologies' test and measurement service/support commitment

Agilent strives to maximize the value our test and measurement products give you, while minimizing your risk and service/support problems. We work to ensure that each product is realistically described in the literature, meets its stated performance and functionality, has a clearly stated global warranty, and is supported at least five years beyond its production life. Our extensive self-help tools include many online resources (www.agilent.com).

Experienced Agilent test engineers throughout the world offer practical recommendations for product evaluation and selection. After you purchase an Agilent product, they can provide no-charge assistance with operation verification and basic measurement setups for advertised capabilities. To enhance the features, performance, and flexibility of your test and measurement products—and to help you solve application challenges—Agilent offers free or extra-cost product options and upgrades, and sell expert engineering, calibration, and other consulting services.

Phone and fax
United States:
Agilent Technologies
(tel) 1 800 452 4844

Canada:
Agilent Technologies Canada Inc.
(tel) 1 877 894 4414

Europe:
Agilent Technologies
Test & Measurement
European Marketing Organisation
(tel) (31 20) 547 2000

Japan:
Agilent Technologies Japan Ltd.
(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Latin America:
Agilent Technologies
Latin American Region Headquarters, U.S.A.
(tel) (305) 267 4245
(fax) (305) 267 4286

Australia/New Zealand:
Agilent Technologies Australia Pty Ltd.
(tel) 1 800 629 485 (Australia)
(fax) (61 3) 9272 0749
(tel) 0 800 738 378 (New Zealand)
(fax) (64 4) 802 6881

Asia Pacific:
Agilent Technologies, Hong Kong
(tel) (852) 3197-7777
(fax) (852) 2506-9284

Data Subject to Change
© Agilent Technologies 2000
Printed in the U.S.A. 04/2000
Publication No.: 5965-5523E

Agilent Technologies
Innovating the HP Way

STEP Dionysos Job: 210%XXX5329-0003 5965-5523E Comp: 04-28-00 Time: 10:46 OP: NN

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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