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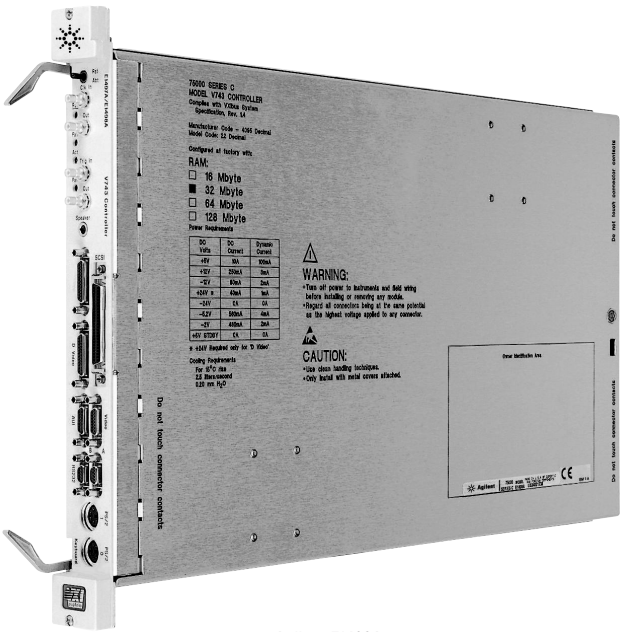
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Find the *Keysight / Agilent E1498A* at our website: *Click HERE*

Agilent E1498A
V743/100 VXI
Embedded Computer

Data Sheet

- **1-Slot, C-size, message-based computer**
- **Direct VXI access with PA-RISC technology**
- **Compatibility with HP Series 700 workstations/computers**
- **C-SCPI and Agilent VEE support**
- **Includes SICL and VISA with special enhancements**
- **VXI*plug&play*-compatible with HP-UX drivers**



Agilent E1498A

Description

The Agilent Technologies V743/100 embedded computer (E1498A) is a **C-size, 1-slot, VXI module.** This high-performance message-based computer uses Hewlett-Packard's PA-RISC technology to deliver extraordinary performance and direct VXI access at a very competitive price.

Developed specifically as an embedded HP-UX (UNIX) computer for VXI, the V743 computer provides the high I/O performance of direct VXI backplane support, the space savings of an embedded computer, and the high power and speed of HP PA-RISC all in an HP-UX environment. The V743 supports all VXI addressing modes (A16, A24, and A32), programmable interrupt handler, single-channel DMA for VXI extended memory devices, and a 1 MB dual-ported memory buffer for high-speed data acquisition.
Note: You may use only one embedded computer in a system.

The V743/100, with its high-speed 100 MHz 7100LC PA-RISC processor, is ideal for development of run-time applications. This model is completely compatible with other HP 9000 Series 700 workstations and computers. However, it requires HP-UX releases 9.05 and later. With HP-UX, you can set up industry-standard networking, windowing systems, and languages. Databases and a full range of VXI-related software are available for automated test applications.

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

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Software Support

- SICL and VISA are included when you order the Agilent V743.
- C-SCPI is supported on HP-UX with C language.
- Agilent VEE is supported, including special enhancements for direct VXIbus support.
- Supports HP-UX VXI*plug&play* framework.

Operating System

HP-UX 10.20

Note: You may use only one embedded computer in a system.

Product Specifications

Processor:	PA-7100LC
Clock speed:	100 MHz

Performance:

MIPS:	77.7/121.6
MFLOPS:	24.3/37.8
SPECmark 89:	—
SPEC int92:	66.6/100.1
SPEC fp92:	96.5/137.0
X11 Xmark 93:	6.55/8.63
SPECrate int92:	1497.8/1237.3
SPECrate fp92:	281.4/3225.9
Main memory:	16-64 MB (64 MHz), 32-128 MB (100 MHz)
Built-in interfaces:	GPIB, 2 RS-232, 1 SCSI-2, LAN, AUI
Additional interfaces:	SE keyboard and mouse Speaker Out Trigger I/O, Clock I/O
Optional interfaces:	none
Available slots:	none
Supported expanders:	none
Display resolution:	Color 1024x768 1280x1024
Internal mass storage:	Optional external: 600 MB CD-ROM 2 GB DDS tape 4-8 GB DDS w/comp
O.S. (earliest supported):	HP-UX 9.05

General Specifications

VXI Characteristics

VXI device type:	Message-based computer
Size:	C
Slots:	1
Connectors:	P1/2
Shared memory:	n/a
VXI buses:	TTL Trigger Bus ECL Trigger Bus

Module Current

	I_{PM}	I_{DM}
+5 V:	10	0.1
+12 V:	0.25	0
–12 V:	0.08	0.6
+24 V:	0.04	0
–24 V:	0	0
–5.2 V:	0.56	0
–2 V:	0.48	0

Cooling/Slot

Watts/slot:	59.00
ΔP mm H_2O:	0.30
Air Flow liter/s:	4.70

Ordering Information

Description	Product No.
V743/100 VXI Embedded Computer	E1498A
Delete SICL media and manuals	E1498A 002
64 MB total RAM	E1498A ANE
128 MB total RAM	E1498A ANS
3 yr. retn. to Agilent to 1 yr. OnSite warr.	E1498A W01

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Taiwan:
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(fax) (886 2) 2545 6723

Other Asia Pacific Countries:
(tel) (65) 375 8100
(fax) (65) 836 0252
Email: tm_asia@agilent.com

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