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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E1406A VXI GPIB Command Module

Terminals: HP 700/92 700/94 700/22 700/43; WYSE WY-30; DEC VT100 VT220 Host: C-size VXI mainframe (typically left-most Slot 0) Firmware: FLASH driver set must match installed modules CPU memory Slot 0 and interface figures from Agilent E1406A command-module specifications. Confirm RAM/FLASH option population and FLASH driver revision for the installed register-based cards. Host: C-size VXI mainframe (typically left-most Slot 0) Firmware: FLASH driver set must match installed modules CPU memory Slot 0 and interface figures from Agilent E1406A command-module specifications. Confirm RAM/FLASH option population and FLASH driver revision for the installed register-based cards.

**MODEL****Keysight / Agilent /
HP E1406A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E1406A****LISTING**<https://aumictechlabs.com/products/e1406a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E1406A is a C-size, single-slot VXI GPIB Command Module that is the system controller and primary interface between VXI backplanes and external GPIB instruments. It functions as both a VMEbus system controller and IEEE-488 to VXIbus gateway, enabling unified command and control across mixed VXI and GPIB instrument ecosystems. The module provides Slot 0 and Resource Manager functions, with onboard MXIbus Resource Manager support for VXIbus extensions in multi-mainframe configurations. Technical Specifications Form Factor: C-

size, 1-slot module Memory: Up to 2 MB RAM; 1.75 MB FLASH (maximum) for downloadable drivers Interfaces: GPIB (IEEE-488), RS-232 Programming Language: SCPI (Standard Commands for Programmable Instruments) Clock Synchronization: 10 MHz VXI backplane clock; supports external TTL signal synchronization Data Transfer: High-throughput performance via MXIbus protocol Key Features Acts as VMEbus System Controller with Slot 0 Commander and Resource Manager functions Translates SCPI commands for register-based instruments, enabling programming equivalent to message-based devices Flexible triggering and clock interfacing for precise synchronization across the VXI backplane MXIbus Resource Manager extends VXIbus capability across multiple mainframes Flash-based driver storage supports programmable register-based device operation Typical Applications Multi-instrument test systems combining VXI and GPIB devices Distributed measurement and control systems requiring centralized command authority Automated test equipment (ATE) environments with legacy GPIB instrument integration Multi-mainframe VXI configurations requiring extended system management Compatibility & Integration The E1406A communicates with message-based VXI modules from any manufacturer and integrates Keysight register-based devices through SCPI command translation. It operates within standard VXI backplane architectures and supports systems utilizing SCPI programming protocols. The module's dual-interface design eliminates the need for separate GPIB controllers while maintaining full VMEbus system command authority.

Features & description

From manufacturer datasheet

Features

- Slot 0 CLK10 and resource manager

E1406A Characteristics / Specifications

PARAMETER	VALUE
Model	E1406A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI GPIB Command Module
Alias	E1406A; HP E1406A; Agilent E1406A
VXI Size	C-size 1 slot
Device Type	message-based commander
CPU	16 MHz 68000
RAM	2 MB maximum
FLASH	1.75 MB maximum
Shared Memory	512 kB maximum
Slot	yes (CLK10 resource manager)
GPIB	IEEE 488 to VXIbus interface
RS232 Baud	300 1200 2400 4800 9600 19200
RS232 Use	terminal only
MXI Resource Manager	yes
VXI Buses	local busATTL trigger ECL trigger
CLK10 Input Load	55 kOhm 50 pF
Trigger Max Rate TTL	12.5 MHz
Trigger Max Rate ECL	40 MHz
Min Pulse TTL	30 ns
Min Pulse ECL	12.5 ns
Max Trigger Delay	30 ns
IBASIC	optional Agilent Instrument BASIC
Terminals	HP 700/92 700/94 700/22 700/43; WYSE WY-30; DEC VT100 VT220
Host	C-size VXI mainframe (typically left-most Slot 0)

PARAMETER	VALUE
Related E14	C-size mainframe
Related E1489C	ISA-MXI interface
Status	HP/Agilent E1406A EOL
Firmware	FLASH driver set must match installed modules Notes CPU memory Slot 0 and interface figures from Agilent E1406A command-module specifications. Confirm RAM/FLASH option population and FLASH driver revision for the installed register-based cards.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	E1406A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI GPIB Command Module
Specifications	
PARAMETER	VALUE
Alias	E1406A; HP E1406A; Agilent E1406A
VXI Size	C-size 1 slot
Device Type	message-based commander
Specifications	
PARAMETER	VALUE
CPU	16 MHz 68000
RAM	2 MB maximum
FLASH	1.75 MB maximum
Specifications	
PARAMETER	VALUE
Shared Memory	512 kB maximum
Slot 0	yes (CLK10 resource manager)
GPIB	IEEE 488 to VXIbus interface
Specifications	
PARAMETER	VALUE
RS232 Baud	300 1200 2400 4800 9600 19200
RS232 Use	terminal only
MXI Resource Manager	yes

Specifications

PARAMETER	VALUE
VXI Buses	local busATTL trigger ECL trigger
CLK10 Input Load	55 kOhm 50 pF
Trigger Max Rate TTL	12.5 MHz

Specifications

PARAMETER	VALUE
Trigger Max Rate ECL	40 MHz
Min Pulse TTL	30 ns
Min Pulse ECL	12.5 ns

Specifications

PARAMETER	VALUE
Max Trigger Delay	30 ns
IBASIC	optional Agilent Instrument BASIC
Terminals	HP 700/92 700/94 700/22 700/43; WYSE WY-30; DEC VT100 VT220

Specifications

PARAMETER	VALUE
Host	C-size VXI mainframe (typically left-most Slot 0)
Related E1401	C-size mainframe
Related E1489C	ISA-MXI interface

Status: HP/Agilent E1406A EOL

Firmware: FLASH driver set must match installed modules

Notes

CPU memory Slot 0 and interface figures from Agilent E1406A command-module specifications. Confirm RAM/FLASH option population and FLASH driver revision for the installed register-based cards.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.