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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1405A

HP Agilent E1405A VXI GPIB Command Module The HP E1405A isaC-size VXI command module providing Slot 0, Resource Manager, and HP-IB-to-VXI translation. OEM E1405A/E1406A command-module literature list message-based commander functions, GPIB and RS-232, and transparent communication with message-based VXI devices. E1406A adds 2 MB RAM, FLASH SCPI drivers, and MXIbus resource manager. Controlling mixed-vendor VXI crates from a GPIB host without an embedded Slot-0 computer. Successor: E1406A 2 MB RAM FLASH SCPI MXIbus RM The HP E1405A isaC-size VXI command module providing Slot 0, Resource Manager, and HP-IB-to-VXI translation. OEM E1405A/E1406A command-module literature list message-based commander functions, GPIB and RS-232, and transparent communication with message-based VXI devices. E1406A adds 2 MB RAM, FLASH SCPI drivers, and MXIbus resource manager. Controlling mixed-vendor VXI crates from a GPIB host without an embedded Slot-0 computer. Successor: E1406A 2 MB RAM FLASH SCPI MXIbus RM Backplane Clock: 10 MHz VXI CLK10 Slot 0 role



MODEL

**Agilent / Keysight
E1405A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1405A

LISTING

<https://aumictechlabs.com/products/e1405a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1405A is a VXI Command Module that functions as the Slot 0 controller and Resource Manager for VXIbus mainframe systems. It establishes the foundational control layer required for VXI system operation, managing communication protocols, instrument

synchronization, and resource configuration across the VXIbus architecture.

Technical Specifications

Product Type: VXI Command Module

Form Factor: C-size, 1U (1 Unit high)

Slot Assignment: Slot 0

Primary Role: Slot 0 controller and Resource Manager for VXI mainframes

Key Features

VXIbus Management: Manages VXIbus communication protocols and arbitration between modules

Host Controller Interface: Provides essential communication pathways between host computer systems and the VXI mainframe

Multi-Protocol Support: Implements HP-IB (IEEE-488) for instrument communication and RS-232 for serial connectivity

Timing Synchronization: Integrates clock input and clock output interfaces for system-wide timing coordination

Resource Configuration: Configures and manages VXI modules during power-up and reset sequences

Module Support: Enables control of both message-based and register-based VXI instruments

Operational Capabilities

The E1405A coordinates data acquisition and control operations by synchronizing timing across distributed VXI instruments. Its Resource Manager function handles module enumeration and configuration during system initialization, ensuring proper VXIbus hierarchy and communication flow. The dual clock interface supports both input synchronization from external timing sources and output distribution to slave modules requiring phase-locked operation.

Compatibility & Integration

The module integrates within any VXIbus mainframe supporting C-size, 1U slot configurations. It manages communication with all message-based and register-based VXI instruments, functioning as the mandatory Slot 0 controller required by VXI system architecture. The HP-IB and RS-232 interfaces enable integration with legacy and modern test systems, while the VXIbus interface maintains protocol compliance across heterogeneous instrument populations.

E1405A Characteristics / Specifications

PARAMETER	VALUE
Model	E1405A
Instrument Type	VXI command module
Module Size	C-size VXI
Slot Width	1 slot
Functions	Slot 0 and Resource Manager
Host Interface	HP-IB IEEE-488 to VXIbus
Serial Interface	RS-232
Commander Type	message-based
Successor	E1406A 2 MB RAM FLASH SCPI MXIbus RM
Manufacturer	HP Agilent Keysight
Mechanical Package	C-size VXI module
Backplane Clock	10 MHz VXI CLK10 Slot 0 role
Logical Address	typically 0 as resource manager
Gpib Address	primary address switch 0-30
Mainframes	E1401-class C-size VXI mainframes
Programming	IEEE-488 to VXI message-based instruments
Documentation	E1405A/E1406A command module data
Related E1405B	later E1405B HP-IB to VXI command module
Vme Controller	can act as VMEbus system controller when enabled
Transparent Io	communicates with any manufacturer's message-based VXI modules
Flash Drivers	E1406A adds downloadable SCPI drivers for register-based devices
Slot Width Detail	single C-size slot command module

E1405A Specifications

PARAMETER	VALUE
HP Agilent E1405A VXI GPIB Command Module	Overview
Applications	Controlling mixed-vendor VXI crates from a GPIB host without an embedded Slot-0 computer.
Key Features	Slot 0 and Resource Manager
Technical Specifications	Model: E1405A

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	
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Notes	
From HP/Agilent E1405A VXI command module listings and E1406A data sheet 5965-5545 family description. E1406A is the documented 2 MB/MXI successor; confirm which command module is installed.	

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

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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.