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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1306A

The Agilent/Keysight E1306A is the embedded B-size HP-IB/GPIB command module used standalone or as the functional core inside E1300/E1301 mainframes. OEM datasheet 5965-5543 class materials list HP-IB and resource manager capabilities, access to any manufacturer's register-based devices, and SCPI programming support. B-size VXI Slot 0 control, GPIB-to-VXI translation, and SCPI drivers for SeriesBregister-based modules. Embedded command module for B-size mainframes Used inside E1300/E1301 or as E1306A module B-size VXI Slot 0 control, GPIB-to-VXI translation, and SCPI drivers for SeriesBregister-based modules. Embedded command module for B-size mainframes Used inside E1300/E1301 or as E1306A module Product Type: HP-IB command module for B-size VXI



MODEL

**Agilent / Keysight
E1306A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1306A

LISTING

[https://aumictechlabs.c
om/products/e1306a-2/](https://aumictechlabs.com/products/e1306a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E1306A is a B-size VXI GPIB command module engineered as an embedded controller for 20-slot E1302A mainframes. It bridges GPIB (IEEE-488) connectivity with VXI backplane communications, parsing SCPI measurement control commands and directing them to register-based VXI devices from any manufacturer. The module operates as the system resource manager and must occupy the first mainframe slot. It features an 8 MHz 68000 processor, up to 2 MB nonvolatile RAM (expandable in 1 MB increments), and RS-232 auxiliary connectivity for terminal and debug operations. Technical Specifications Processor & Memory 8 MHz 68000 core

processor Nonvolatile RAM: up to 2 MB, expandable in 1 MB increments Recommended additional RAM: 1 MB minimum; 2 MB for high-channel configurations (e.g., E1313A 32-Channel Scanning A/D) Interfaces Primary: GPIB (IEEE-488) Auxiliary: RS-232 for terminal connection and debugging Real-Time Clock Accuracy: 0.01% of elapsed time since last set $\pm$ 1 second Resolution: 1 second Battery life: 60 days typical (NiCad, approximately 1 year) Triggering & Pulsing Trigger input: TTL compatible First pulse accuracy: 0.01% of programmed time + 600 to 850 ns Subsequent pulse accuracy: 0.01% of programmed time $\pm$ 50 ns Pulse count: 1 through 8,388,607 or continuous Minimum pulse width: 300 ns Physical Form factor: B-size, 2-slot module Connector: P1 Not adaptable to C-size mainframes

Key Features Register-based VXI device commander with SCPI support (non-Compiled) Slot 0 resource manager capability - required first-slot placement Exclusive VME bus master operation; incompatible with VXLlink and other bus-mastering modules Manufacturer-agnostic device access across register-based VXI ecosystem

Compatibility & Integration Designed specifically for Keysight E1302A 20-slot mainframes. Functionally identical command modules exist in E1300A mainframes. Access to any manufacturer's register-based VXI devices supported.

E1306A Characteristics / Specifications

PARAMETER	VALUE
Product Type	HP-IB command module for B-size VXI
Module Size	B
Interface	HP-IB / GPIB
Resource Manager	yes
Slot 0 Functions	yes when configured
SCPI Support	yes
Register Based Device Access	yes any manufacturer
RelatedCSize Module	E1406A
Used Inside Mainframes	E1300A/B E1301A/B
Processor Family Class	68000 class SeriesBcontroller
Default RS232 Baud Rates Class	300 to 19200 class
Nonvolatile RAM Base In Mainframe Context	256 kB class
VXIbus Backplane	P1
Data Transfer Bus	16 bits
Programming Model	message based commander for servants
Logical Address In Mainframe	typically 0
Servant Area	configurable
Operating Temperature Class	0 to 55 C
Documentation	E1306A / SeriesBcommand module manuals
CLK10 Support Class	yes in SeriesBcontroller family
Flash Drivers Class	downloadable SCPI drivers class
Related Built In Hosts	E1300A/B E1301A/B
Operating temperature	Class: 0 to 55 C

E1306A Specifications

PARAMETER	VALUE
Agilent E1306A B Size HP IB Command Module	Overview
Applications	B-size VXI Slot 0 control, GPIB-to-VXI translation, and SCPI drivers for Series B register-based modules.
Access to register based devices	Used inside E1300/E1301 or as E1306A module
Technical Specifications	Product Type: HP-IB command module for B-size VXI

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Documentation	E1306A / SeriesBcommand module manuals
CLK10 Support Class	yes in SeriesBcontroller family
Flash Drivers Class	downloadable SCPI drivers class
Related Built In Hosts	E1300A/B E1301A/B Notes Role and feature bullets from HP E1306A datasheet 5965-5543 class archive listings and E1300 Series materials stating functional identity with the built-in mainframe controller. Confirm firmware revision and installed memory options.

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

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Product Type	HP-IB command module for B-size VXI
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Interface	HP-IB / GPIB
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Processor Family Class	68000 class SeriesBcontroller
Default RS232 Baud Rates Class	300 to 19200 class
Nonvolatile RAM Base In Mainframe Context	256 kB class

Optional RAM Expansions Class: 512 kB 1 MB 2 MB class
Optional IBASIC: available in mainframe context

Specifications

PARAMETER	VALUE
VXibus Backplane	P1
Data Transfer Bus	16 bits
Programming Model	message based commander for servants
Logical Address In Mainframe	typically 0
Servant Area	configurable
Operating Temperature Class	0 to 55 C
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Related Built In Hosts	E1300A/B E1301A/B

Notes

Role and feature bullets from HP E1306A datasheet 5965-5543 class archive listings and E1300 Series materials stating functional identity with the built-in mainframe controller. Confirm firmware revision and installed memory options.

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

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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.