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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1300B

Agilent E1300B Size VXI Mainframe Dual Fan The Agilent/Keysight E1300B is the dual-fan B-size VXI mainframe variant of E1300A. OEM datasheet family materials list improved dual-fan cooling for high-power B-size modules such as E1312A, while retaining the built-in E1306A-class command module, GPIB, and 9-slot architecture. Higher-power B-size VXI systems needing dual-fan cooling without a front-panel keyboard. Built In Command Module: E1306A functional equivalent The Agilent/Keysight E1300B is the dual-fan B-size VXI mainframe variant of E1300A. OEM datasheet family materials list improved dual-fan cooling for high-power B-size modules such as E1312A, while retaining the built-in E1306A-class command module, GPIB, and 9-slot architecture. Higher-power B-size VXI systems needing dual-fan cooling without a front-panel keyboard. Built In Command Module: E1306A functional equivalent Memory Base Class: 256 kB battery backed RAM class



MODEL

**Agilent / Keysight
E1300B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1300B

LISTING

<https://aumictechlabs.com/products/e1300b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1300B is a 9-slot B-size VXI mainframe that provides a modular platform for test and measurement instrumentation. It combines compact form factor with dual-fan cooling to support high-power B-size and M-modules, delivering stable operation across diverse system integration and laboratory environments. The mainframe integrates a command module with GPIB interface and SCPI support, enabling straightforward instrument control and programming without

external controllers. Technical Specifications Slot Configuration 7 external B-size slots, 2 internal B-size slots, 3 external A-size slots Dedicated internal slots support optional E1326B 5½-digit multimeter (2-slot configuration) Power Delivery Input: 115 Vac to 230 Vac, 50 Hz to 400 Hz (250 V maximum) Outputs: +5 V at 12.2 A, +12 V at 4.6 A, -12 V at 0.9 A Maximum usable power: 120 W at 40° C DC power option available for battery or 12 VDC vehicle operation All outputs protected against over-temperature, over-voltage, over-current, and short-to-ground Thermal Performance Improved dual-fan cooling system Temperature rise: 10° C through module (25 W module, typical density) Acoustic output: <40 dBA at 1 m bystander position Memory 256 KBytes battery-backed non-volatile RAM (64 KByte in early units) Optional 1 MB or 2 MB non-volatile memory for program and data storage Optional floppy drives: 720 KByte or 1.44 MByte (requires IBASIC Controller) Optional fixed disk drives: 10 MB, 20 MB, or 40 MB (requires IBASIC Controller) Physical Characteristics Height: 177 mm without feet, 189 mm with feet Width: 426 mm; Depth: 510 mm (569 mm with terminal blocks) Weight: 7.4 kg Key Features GPIB interface with integrated Resource Manager SCPI command set for instrument programming RS232 serial communication at 300–19200 Baud VME Bus P1 connectivity Optional IBASIC Controller for stand-alone mainframe operation Typical Applications ATE systems, laboratory test benches, system integration projects, enterprise measurement platforms requiring modular instrumentation with external control or local command execution.

Features & description

From manufacturer datasheet

High Power Module Example: E1312A supported by dual fan cooling

Form Factor: compact B-size mainframe VXI Device Type: mainframe Operating Temperature Class: 0 to 55 C Trigger Connectors Class: Event In Trigger Out Pacer Out class on SeriesBRS232 Class: available on built-in command module Notes Dual-fan identity and slot map from Agilent E1300B/E1301B datasheet family (5965-2982 class) and SeriesBconfiguration guides. Confirm exact power supply table on the installed E1300B datasheet revision.

E1300B Characteristics / Specifications

PARAMETER	VALUE
Module Size Supported	B
Total Slots	9
ExternalBSize Slots	7
InternalBSize Slots	2 for E1326A/B path
ExternalASize Slots	3
Cooling	dual fan
Backplane Connectors	P1
Data Transfer Bus	16 bits
Built In Command Module	E1306A functional equivalent
GPIB Interface	yes
Resource Manager	yes
SCPI Programming	yes
Memory Base Class	256 kB battery backed RAM class
Maximum Combined Power Output Class	120 W class at elevated temperature ratings per SeriesBAC Input: 115/230 Vac
Related Keyboard Model	E1301B
Related Single Fan Predecessor	E1300A
High Power Module Example	E1312A supported by dual fan cooling
Form Factor	compact B-size mainframe
VXI Device Type	mainframe
Operating Temperature Class	0 to 55 C
Trigger Connectors Class	Event In Trigger Out Pacer Out class on SeriesBRS232 Class: available on built-in command module
Operating temperature	Class: 0 to 55 C

E1300B Specifications

PARAMETER	VALUE
Agilent E1300B B Size VXI Mainframe Dual Fan	Overview
Dual fan cooling for high power modules	Built in E1306A class command module
GPIB interface and Resource Manager	Optional internal E1326A/B multimeter

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Trigger Connectors Class	Event In Trigger Out Pacer Out class on SeriesBRS232 Class: available on built-in command module Notes Dual-fan identity and slot map from Agilent E1300B/E1301B datasheet family (5965-2982 class) and SeriesBconfiguration guides. Confirm exact power supply table on the installed E1300B datasheet revision.

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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PARAMETER	VALUE
Module Size Supported	B
Total Slots	9
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InternalBSize Slots	2 for E1326A/B path
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Cooling	dual fan
Backplane Connectors	P1
Data Transfer Bus	16 bits
Built In Command Module	E1306A functional equivalent
GPIB Interface	yes
Resource Manager	yes
SCPI Programming	yes
Memory Base Class	256 kB battery backed RAM class
Optional IBASIC: yes	
Optional Internal DMM: E1326A/B	
Specifications	
PARAMETER	VALUE
Maximum Combined Power Output Class	120 W class at elevated temperature ratings per SeriesBAC Input: 115/230 Vac
Related Keyboard Model	E1301B
Related Single Fan Predecessor	E1300A
High Power Module Example	E1312A supported by dual fan cooling
Form Factor	compact B-size mainframe
VXI Device Type	mainframe
Operating Temperature Class	0 to 55 C
Trigger Connectors Class	Event In Trigger Out Pacer Out class on SeriesBRS232 Class: available on built-in command module

Notes

Dual-fan identity and slot map from Agilent E1300B/E1301B datasheet family (5965-2982 class) and SeriesBconfiguration guides. Confirm exact power supply table on the installed E1300B datasheet revision.

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.