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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8400A

The Keysight E8400A is a 13-slot C-size VXI mainframe with high usable power, mainframe monitoring, and VXIbus Revision 1.4 compliance per the HP E8400A user and service documentation. High-power VXI ATE racks, data acquisition mainframes, and general C-size instrument housing. Module Size: C-size with AorB via E1403 E1407 adapters Mainframe Height: 352 mm 13.9 inches 8 EIA rack units AC Input Frequency Reduced Range: 360 Hz to 440 Hz at 90 to 132 VAC Operating Temperature Spec Class: 0 C to 55 C at backplane ratings Plus5V SdbY User Supply Maximum: 1 A through diagnostic connector Numeric rows from HP E8400A C-Size VXI Mainframe user/service documentation output-power and mechanical tables. Ratings apply at the backplane 0 to 55 C unless noted.



MODEL Agilent / Keysight E8400A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU E8400A	LISTING https://aumictechlabs.com/products/e8400a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E8400A is a 13-slot C-size VXI mainframe that is the foundation for modular automated test systems. It delivers 700 W of usable power and implements a variable-speed cooling architecture that adjusts fan operation based on real-time internal temperature monitoring. The mainframe supports the full VXIbus specification and accommodates a range of C-size VXI plug-in modules, making it suitable for legacy test environments and new ATE deployments requiring VXI-based instrument integration. Technical Specifications Form Factor: C-Size VXI

mainframe, 13 slots Usable Power: 700 W with ample dynamic and peak current capability
Cooling: Variable-speed fan with temperature-dependent modulation for efficient thermal management Backplane: Enhanced design for improved performance and reliability Weight: Approximately 150 lbs ship weight

Key Features VXIbus-compliant backplane with injector surface rails for module insertion and extraction Front panel diagnostic connector supporting local or remote system monitoring RS-232 connectivity option for continuous system oversight Rack-mountable configuration with optional rackmount kits Thermally optimized layout requiring unrestricted airflow for stable operation

Compatibility & Integration The E8400A houses C-size VXI plug-in modules and integrates with a selection of accessories including single-slot filler panels (E8400-44305, E8400-60202 for B/C-size slots) and airflow restrictors (E8400-80917). Cable trays and additional filler panels are available for system configuration. The mainframe works with integration into both existing legacy VXI systems and newly architected automated test platforms.

E8400A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	C-size VXI mainframe
Vxi Slots Available	13
Module Size	C-size withAorBvia E1403 E1407 adapters
Vxi Specification	Rev 1.4
Mainframe Height	352 mm 13.9 inches 8 EIA rack units
Mainframe Weight Empty	20.9 kg
Maximum Module Weight Per Slot Shock Spec	3.5 kg
Ac Input Voltage	90 VAC to 264 VAC
Ac Input Frequency Full Range	47 Hz to 66 Hz
Ac Input Frequency Reduced Range	360 Hz to 440 Hz at 90 to 132 VAC
Dc Input Voltage	100 VDC to 270 VDC
Inrush Current Maximum	40 A
Peak Current Plus5V Imp	60 A
Peak Current Plus12V Imp	10 A
Peak Current Minus12V Imp	10 A
Peak Current Plus24V Imp	9 A
Peak Current Minus24V Imp	10 A
Peak Current Minus5p2V Imp	30 A
Peak Current Minus2V Imp	20 A
Dynamic Current Plus5V Imd	7.0 A
Dynamic Current Plus12V Imd	2.5 A
Ripple Noise Plus5V Dc Load	50 mV
Ripple Noise Plus24V Dc Load	150 mV
Operating Temperature Spec Class	0 C to 55 C at backplane ratings
Plus5V Stdbby User Supply Maximum	1 A through diagnostic connector

PARAMETER	VALUE
Operating temperature	Spec Class: 0 C to 55 C at backplane ratings

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Plus5V Stdby User Supply Maximum	1 A through diagnostic connector Notes Numeric rows from HP E8400A C-Size VXI Mainframe user/service documentation output-power and mechanical tables. Ratings apply at the backplane 0 to 55 C unless noted.

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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Plus5V Stdby User Supply Maximum	1 A through diagnostic connector

Notes

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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.