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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8403A

Agilent Keysight HP E8403A C-Size VXI Mainframe 13-Slot 1000 W The Agilent E8403A is a 13-slot C-size VXI mainframe providing 1000 W usable power for demanding automated test applications. OEM E8400 Series datasheet rates the same 13-slot quiet cooling platform as E8401A with higher power capacity and basic monitoring. High-power C-size VXI instrument racks requiring up to 1000 W usable backplane power. Slot 0 Function: reserved for slot-0 controller or command module The Agilent E8403A is a 13-slot C-size VXI mainframe providing 1000 W usable power for demanding automated test applications. OEM E8400 Series datasheet rates the same 13-slot quiet cooling platform as E8401A with higher power capacity and basic monitoring. High-power C-size VXI instrument racks requiring up to 1000 W usable backplane power. Slot 0 Function: reserved for slot-0 controller or command module High Frequency Line Path: 360 to 440 Hz at 90 to 132 Vac



MODEL

**Agilent / Keysight
E8403A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8403A

LISTING

<https://aumictechlabs.com/products/e8403a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E8403A is a C-size, 13-slot VXI mainframe that is a stable platform for VXI instrument modules in automated test systems. It delivers 1000 watts of usable power with carefully engineered thermal management and comprehensive output protection across seven voltage rails. Technical Specifications Power Supply Output: 1000 watts usable power Input

voltage: 90 VAC to 264 VAC (single continuous range) Input frequency: 47 Hz to 66 Hz across full input voltage range Output voltages at backplane (0–55°C): – +5V: $\pm 0.25\text{V}$ / -0.125V , 50 mV ripple/noise – +12V: $+0.60\text{V}$ / -0.36V , 50 mV ripple/noise – –12V: -0.60V / $+0.36\text{V}$, 50 mV ripple/noise – +24V: $+1.20\text{V}$ / -0.72V , 150 mV ripple/noise – –24V: -1.20V / $+0.72\text{V}$, 150 mV ripple/noise – –5.2V: -0.26V / $+0.156\text{V}$, 50 mV ripple/noise – –2V: -0.10V / $+0.10\text{V}$, 50 mV ripple/noise Inrush current: 25 A typical at 110 VAC; 55 A typical at 264 VAC Protection: Full shutdown on over-temperature, over-voltage, over-current, short-to-ground, and short-to-other-output conditions; recovery upon fault removal and power cycling Thermal Management Innovative air distribution system with separate power supply cooling fans Variable or Full Speed fan operation via front panel switch Noise levels: 41.4 dBA (low speed), 54.9 dBA (high speed) at 1 meter Monitoring & Diagnostics Front panel diagnostics connector for local or remote monitoring of power supply voltages, temperatures, and fan operation Key Features High power density with excellent back pressure performance for dense module configurations Quiet, efficient cooling with minimal airflow restrictions All seven output voltages protected against fault conditions VXI Specification compliance with injector surface rails for module insertion Typical Applications Automated test systems requiring multi-module VXI instrument configurations with stable, protected power delivery and thermal performance in production environments. Compatibility & Integration Designed for VXI-compliant instrument modules. Accepts standard C-size VXI modules across 13 slots with independent rail-based power distribution.

E8403A Characteristics / Specifications

PARAMETER	VALUE
Model	E8403A
Series	E8400
Instrument Type	C-size VXI mainframe
Slot Count	13
Slot Labels	0 through 12
Slot 0 Function	reserved for slot-0 controller or command module
Usable Power	1000 W
Monitoring Class	basic
Line Voltage	90 to 264 Vac
Line Frequency Primary	47 to 66 Hz
High Frequency Line Path	360 to 440 Hz at 90 to 132 Vac
Backplane Standard	VXIbus C-size
Cooling	innovative air distribution impeller system
Diagnostics Connector	front panel
Operating Temperature Power Spec	0 to 55 C
Product Family Members	E8401A E8403A E8404A
Compared To E8401A Power	twice the usable power of E8401A 500 W
Size Class	C-size VXI
Controller Examples	E1406 command module and E62xx embedded controllers
Dynamic Peak Current Class	ample dynamic and peak current capability stated by OEM for most applications
Remote Monitor Path	diagnostics connector
Backplane Clocks	SYCLK 16 MHz provided by slot-0 device
Power Cord Fuse	shipped installed suitable for all line voltages
Operating temperature	Power Spec: 0 to 55 C

E8403A Specifications

PARAMETER	VALUE
Applications	High-power C-size VXI instrument racks requiring up to 1000 W usable backplane power.
Technical Specifications	Model: E8403A
Notes	From Keysight/Agilent E8401A E8403A E8404A VXI Mainframes data sheet and E8401A/E8403A user manual difference table.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Power Spec: 0 to 55 C
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Product Family Members	E8401A E8403A E8404A
Compared To E8401A Power	twice the usable power of E8401A 500 W
Size Class	C-size VXI
Controller Examples	E1406 command module and E62xx embedded controllers
Dynamic Peak Current Class	ample dynamic and peak current capability stated by OEM for most applications
Remote Monitor Path	diagnostics connector
Backplane Clocks	SYSCCLK 16 MHz provided by slot-0 device
Power Cord Fuse	shipped installed suitable for all line voltages Notes From Keysight/Agilent E8401A E8403A E8404A VXI Mainframes data sheet and E8401A/E8403A user manual difference table.

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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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>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.