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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8402A

The Keysight E8402A is a 13-slot C-size VXI mainframe with a 500 W usable power supply and enhanced monitoring of voltages, currents, temperatures, and fans per the Keysight E8402A/E8404A product specifications. General-purpose VXI ATE, monitored production racks, and medium-power C-size instrument systems. Usable Power 0 To 55 C: 500 W at 90 to 264 VAC Available Power Sum Example 0 To 55 C: 686 W before thermal limits Ac Input Frequency: 47 Hz to 66 Hz full range Plus5V Allowed Variation: plus 0.25 V minus 0.125 V Default Delta Slot Temperature Limit: 15 C above ambient Numeric rows from Keysight E8402A and E8404A VXI Mainframes product specifications appendix. Peak and dynamic currents are IMP/IMD at the backplane 0 to 55 C.



MODEL

**Agilent / Keysight
E8402A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8402A

LISTING

<https://aumictechlabs.com/products/e8402a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E8402A is a C-size VXI mainframe that is the interface between modular VXI instruments and controlling computers. This 13-slot mainframe delivers medium power output and enhanced monitoring capabilities for instrument management, diagnostics, and system health tracking. Technical Specifications Form Factor: C-Size VXI Mainframe Slot Configuration: 13 slots Power Output: Medium Power Backplane: Surface mount design with improved reliability and stripline signal performance; generates SYSRESET and ACFAIL signals for full VXI Specification

compliance Cooling System: Variable-speed fans with innovative air distribution and dedicated power supply cooling for thermal management Specifications Compliance: VXIbus Specification Revision 1.4, VXIplug&play Specification VPP-8, VMEbus System Specification Revision C.1Key Features Enhanced monitoring of backplane voltage conditions, slot temperatures, power supply temperatures, and fan status History queue and strip charts/histograms for system diagnostics Injector surface rails for easy module insertion and extraction per VXI Specification (QUIC system) Rear-panel access to power supply and cooling components for in-rack maintenance Plug-in power supply design enables field replacement without mainframe removal Quiet, efficient variable-speed fan operationTypical Applications The E8402A supports modular instrument configurations in automated test systems, laboratory environments, and production facilities requiring VXI-based instrument control and data acquisition.Compatibility & Integration Designed to house VXI modules and operate with VXI controllers and interface modules supporting the VXIbus standard. Operates with VXIplug&play drivers and compatible with controller solutions such as the Keysight E8491B IEEE 1394 PC Link to VXI. User and Service Manual (Part Number E8402-90002) covers both E8402A and E8404A mainframe operation and service procedures.

E8402A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	C-size VXI mainframe
Vxi Device Type	Mainframe
Vxi Slots Available	13
Connectors	P1 P2
Power Supply Rating	500 W usable
Usable Power 0 To 55 C	500 W at 90 to 264 VAC
Available Power Sum Example 0 To 55 C	686 W before thermal limits
Mainframe Height	352 mm 13.9 inches 8 EIA units
Mainframe Width	424.5 mm 16.7 inches
Mainframe Depth	631 mm 24.9 inches
Weight Empty Approximate	20 kg
Maximum Module Weight Per Slot	3.5 kg
Peak Current Plus5V Imp	50 A
Peak Current Plus12V Imp	6 A
Peak Current Minus12V Imp	4 A
Peak Current Plus24V Imp	4 A
Peak Current Minus24V Imp	4 A
Peak Current Minus5p2V Imp	20 A
Peak Current Minus2V Imp	10 A
Dynamic Current Plus5V Imd	5 A
Dynamic Current Plus12V Imd	1 A
Ac Input Voltage	90 VAC to 264 VAC single continuous range
Ac Input Frequency	47 Hz to 66 Hz full range
Inrush Current Typical At 110 Vac	25 A
Inrush Current Typical At 264 Vac	55 A

PARAMETER	VALUE
Plus5V Allowed Variation	plus 0.25 V minus 0.125 V
Plus5V Ripple Noise Dc Load	50 mV
Default Delta Slot Temperature Limit	15 C above ambient
Vxi Specification	Rev 1.4

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.

Applications

General-purpose VXI ATE, monitored production racks, and medium-power C-size instrument systems.

Key Features

Thirteen C-size slots

500 W usable power class

Enhanced monitor with history

Variable and full speed cooling

VXIbus Rev 1.4 compliant

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Type	C-size VXI mainframe
Vxi Device Type	Mainframe
Vxi Slots Available	13
Connectors	P1 P2
Power Supply Rating	500 W usable
Usable Power 0 To 55 C	500 W at 90 to 264 VAC

Available Power Sum Example 0 To 55 C: 686 W before thermal limits

Specifications

PARAMETER	VALUE
Mainframe Height	352 mm 13.9 inches 8 EIA units
Mainframe Width	424.5 mm 16.7 inches
Mainframe Depth	631 mm 24.9 inches
Weight Empty Approximate	20 kg
Maximum Module Weight Per Slot	3.5 kg
Peak Current Plus5V Imp	50 A
Peak Current Plus12V Imp	6 A
Peak Current Minus12V Imp	4 A
Peak Current Plus24V Imp	4 A
Peak Current Minus24V Imp	4 A
Peak Current Minus5p2V Imp	20 A

PARAMETER	VALUE
Peak Current Minus2V Imp	10 A
Dynamic Current Plus5V Imd	5 A
Dynamic Current Plus12V Imd	1 A
Ac Input Voltage	90 VAC to 264 VAC single continuous range
Ac Input Frequency	47 Hz to 66 Hz full range
Inrush Current Typical At 110 Vac	25 A
Inrush Current Typical At 264 Vac	55 A
Plus5V Allowed Variation	plus 0.25 V minus 0.125 V
Plus5V Ripple Noise Dc Load	50 mV
Default Delta Slot Temperature Limit	15 C above ambient
Vxi Specification	Rev 1.4

Notes

Numeric rows from Keysight E8402A and E8404A VXI Mainframes product specifications appendix. Peak and dynamic currents are IMP/IMD at the backplane 0 to 55 C.

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.