


Aumictech

Test & measurement • bought, sold, repaired, calibrated

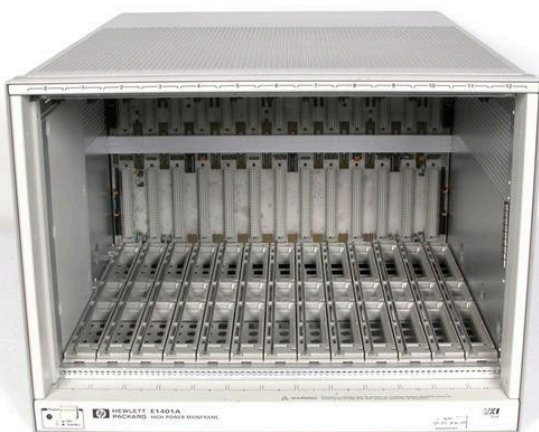
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1401A C-Size VXI Hi-Power Mainframe, 13-Slot

Cooling: Forced-air mainframe cooling class Control Interfaces: Via installed slot-0 / interface modules Operating Temperature Spec Class: Follow E1401 sheet Documentation Scope: OEM E1401A mainframe documentation Control Interfaces: Via installed slot-0 / interface modules Operating Temperature Spec Class: Follow E1401 sheet Documentation Scope: OEM E1401A mainframe documentation Ac Input: Mains powered per mainframe rating



MODEL

Agilent / Keysight E1401A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1401A

LISTING

<https://aumictechlabs.com/products/e1401a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1401A is a C-size, 13-slot VXI mainframe engineered for high-power test and measurement applications. This platform integrates multiple VXI instruments within a single chassis, delivering high dynamic and peak currents for power-intensive instrumentation setups. The mainframe complies with VXIbus Specification Revision 1.4, VMEbus system specification (Rev.C.1), and VXIplug&play specification, ensuring broad instrument compatibility. Technical Specifications Form Factor: C-size, 13 slots Power Supply: Ultra-reliable with seven standard VXIbus voltages, all overcurrent and temperature protected Input Voltage: 100 VAC to 240 VAC (auto-adjusting); also accepts 400 Hz AC and DC power line voltages Usable Power: 1690 W @ 25°C (120–240 Vac), 900 W @ 25°C (100 Vac), 800 W @ 40°C, 650 W @ 55°C with thermal

protection shutdown Cooling: Pressurized Air Channel cooling technology Dimensions: 426 mm (W) × 574 mm (D, without rear feet) × 310 mm (H, without feet); 352–396 mm (H with cable tray) Weight: 21 kg (46 lbs)Key Features Automatic daisy-chain jumpering for VMEbus grant and interrupt acknowledge lines Power factor corrected input section supporting 50 Hz and 60 Hz nominal frequencies ACFAIL* and SYSRESET* signal generation per VXI Specification Revision 1.4 VXI Specification injector surface rails for straightforward module insertion and extraction Rear-panel access for airflow and power supply serviceability Optional rack mount kit availableCompatibility & Integration Full compliance with VXIbus Specification Revision 1.4 and VMEbus system specification (Rev. C.1) enables integration with standard VXI instruments. VXIplug&play specification adherence supports tool-based configuration and plug-and-play operation. Allow 100 mm (4 in) clearance in front for terminal modules and cabling; reserve 1 rack unit (1.75 inches) overhead for ventilation.

Features & description

From manufacturer datasheet

High power backplane supply class

ATE rack integration Supports Agilent/HP VXI modules System cooling for dense configurations
Technical Specifications Model: E1401A Instrument Type: VXI mainframe Slot Count: 13 Module Size: C-size Power Class: High-power VXI mainframe Platform Family: E1401 VXI mainframes Related Variants: E1401T and other E1401 versions Brand Lineage: Keysight / Agilent Backplane: VXI standard backplane Chassis Form: Rack-mount VXI mainframe Cooling: Forced-air mainframe cooling class Module Support: C-size VXI instruments Control Interfaces: Via installed slot-0 / interface modules Operating Temperature Spec Class: Follow E1401 sheet Documentation Scope: OEM E1401A mainframe documentation Ac Input: Mains powered per mainframe rating Installed Options: Rack ears, power options per sheet Weight Class: Full VXI mainframe mass class Slot 0 Support: Requires appropriate slot-0 controller/interface Safety Class: Follow VXI mainframe electrical ratings Warmup Spec Class: System ready after power-on self tests Maximum Module Power: Per high-power supply budget table Notes From Keysight/Agilent E1401A VXI mainframe documentation. Total module power draw must remain within the high-power supply budget.

E1401A Characteristics / Specifications

PARAMETER	VALUE
Model	E1401A
Instrument Type	VXI mainframe
Slot Count	13
Module Size	C-size
Power Class	High-power VXI mainframe
Platform Family	E1401 VXI mainframes
Related Variants	E1401T and other E1401 versions
Brand Lineage	Keysight / Agilent
Backplane	VXI standard backplane
Chassis Form	Rack-mount VXI mainframe
Cooling	Forced-air mainframe cooling class
Module Support	C-size VXI instruments
Control Interfaces	Via installed slot-0 / interface modules
Operating Temperature Spec Class	Follow E1401 sheet
Documentation Scope	OEM E1401A mainframe documentation
Ac Input	Mains powered per mainframe rating
Installed Options	Rack ears, power options per sheet
Weight Class	Full VXI mainframe mass class
Slot 0 Support	Requires appropriate slot-0 controller/interface
Safety Class	Follow VXI mainframe electrical ratings
Warmup Spec Class	System ready after power-on self tests
Maximum Module Power	Per high-power supply budget table
Operating temperature	Spec Class: Follow E1401 sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow E1401 sheet
Operating Temperature	Spec Class: Follow E1401 sheet
Operating Temperature Spec Class	Follow E1401 sheet
Documentation Scope	OEM E1401A mainframe documentation
Ac Input	Mains powered per mainframe rating
Installed Options	Rack ears, power options per sheet
Weight Class	Full VXI mainframe mass class
Slot 0 Support	Requires appropriate slot-0 controller/interface
Safety Class	Follow VXI mainframe electrical ratings
Warmup Spec Class	System ready after power-on self tests
Maximum Module Power	Per high-power supply budget table Notes From Keysight/Agilent E1401A VXI mainframe documentation. Total module power draw must remain within the high-power supply budget.

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	
PARAMETER	VALUE
Model	E1401A
Instrument Type	VXI mainframe
Slot Count	13
Module Size	C-size
Power Class	High-power VXI mainframe
Platform Family	E1401 VXI mainframes
Related Variants	E1401T and other E1401 versions
Brand Lineage	Keysight / Agilent
Backplane	VXI standard backplane
Chassis Form	Rack-mount VXI mainframe
Cooling	Forced-air mainframe cooling class
Module Support	C-size VXI instruments
Control Interfaces	Via installed slot-0 / interface modules
Operating Temperature Spec Class	Follow E1401 sheet
Documentation Scope	OEM E1401A mainframe documentation
Ac Input	Mains powered per mainframe rating
Installed Options	Rack ears, power options per sheet
Weight Class	Full VXI mainframe mass class
Slot 0 Support	Requires appropriate slot-0 controller/interface
Safety Class	Follow VXI mainframe electrical ratings
Warmup Spec Class	System ready after power-on self tests
Maximum Module Power	Per high-power supply budget table
Notes	
From Keysight/Agilent E1401A VXI mainframe documentation. Total module power draw must remain within the high-power supply budget.	

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
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.