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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1401B C-Size VXI, High-Power Mainframe, 13-Slot

Agilent E1401B High Power 13 Slot C-Size VXI Mainframe The Agilent/Keysight E1401B is a high-power C-size 13-slot VXI mainframe. OEM datasheet lists usable power before thermal shutdown of 900 W at 25 C, 800 W at 40 C, and 650 W at 55 C on 120-240 Vac, automatic 100-240 Vac ranging, and MTTR of 5 minutes for power supply or fans. High-density C-size VXI systems needing high peak/dynamic current, rack-mounted ATE, and serviceable rear power/cooling assemblies. Solid state automatic grant/IACK daisy chain The Agilent/Keysight E1401B is a high-power C-size 13-slot VXI mainframe. OEM datasheet lists usable power before thermal shutdown of 900 W at 25 C, 800 W at 40 C, and 650 W at 55 C on 120-240 Vac, automatic 100-240 Vac ranging, and MTTR of 5 minutes for power supply or fans. High-density C-size VXI systems needing high peak/dynamic current, rack-mounted ATE, and serviceable rear power/cooling assemblies. Solid state automatic grant/IACK daisy chain Rear serviceable power supply and filters



MODEL

**Agilent / Keysight
E1401B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1401B

LISTING

<https://aumictechlabs.com/products/e1401b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1401B is a C-size, 13-slot VXI mainframe built for high-power test and measurement in aerospace, defense, and telecommunications. It integrates multiple VXI modules

with substantial peak and dynamic current delivery across all supply rails. The mainframe combines Pressurized Air Channel cooling, automatic VMEbus daisy-chain jumpering, and tool-free QUIC module insertion to reduce setup time and maintenance overhead.

Technical Specifications

Mainframe Architecture: VXIbus Revision 1.4, VMEbus Revision C.1 13 C-size slots; accepts A- or B-size modules with optional E1403 Module Carrier

Power Supply: Output: 1690 W @ 25°C (120–240 Vac input); 900 W usable @ 25°C Usable power reduced at elevated temperature: 800 W @ 40°C, 650 W @ 55°C Input: 100/120 Vac and 220/240 Vac auto-select; 50 Hz, 60 Hz, and 400 Hz compatible; DC power line option Power factor corrected input

Output rails: +5 V (65 A peak, 60 A @ 40°C, 9.0 A dynamic); +12 V (14 A peak, 12 A @ 40°C, 2.5 A dynamic); –12 V (14 A peak, 12 A @ 40°C, 2.5 A dynamic); +24 V (14 A peak, 12 A @ 40°C, 5.0 A dynamic); –24 V (12 A peak, 10 A @ 40°C, 5.0 A dynamic); –5.2 V (65 A peak, 60 A @ 40°C, 8.5 A dynamic); –2 V (35 A peak, 30 A @ 40°C, 4.5 A dynamic) Full overvoltage, overcurrent, and temperature protection; ACFAIL* and SYSRESET* logic signaling per VXI 1.4

Cooling System: Pressurized Air Channel with three variable-speed circulation fans 60 W per slot @ 10°C rise; 75 W per slot @ 15°C rise

Backplane Features: Solid-state automatic daisy-chain jumpering for VMEbus grant and interrupt lines Eliminates manual switch configuration

Serviceability: Rear-panel access to airflow and power supply components enables Mean Time To Repair of approximately 5 minutes for power supply or fan replacement.

E1401B Characteristics / Specifications

PARAMETER	VALUE
Slots	13
Module Size Supported	C (A/B with adapter)
VXI Device Type	mainframe
VXIbus Revision	1.4
Connectors	P1/P2
Usable Power 25 C 120 To 240 Vac	900 W
Usable Power 40 C 120 To 240 Vac	800 W
Usable Power 55 C 120 To 240 Vac	700 W
Usable Power 100 Vac All Temps Listed	650 W
Available Power Sum 25 C	1690 W
Available Power Sum 55 C	1488 W
AC Input Range 50 To 60 Hz	100 to 240 Vac plus/minus 10 percent
AC Input Frequency	50 to 60 Hz plus/minus 10 percent
Four Hundred Hz Input Voltage	100 to 120 Vac plus/minus 10 percent
DC Input Voltage	100 Vdc min to 370 Vdc max
Inrush Current	40 A max
Standby Plus 5 V Input	1 A max user supplied
Weight	21 kg (46 lb)
Width	426 mm (16.8 in)
Depth Without Rear Feet	574 mm (22.6 in)
Depth With Rear Feet	590 mm (23.2 in)
Height With Cable Tray	352 or 396 mm (13.9 or 15.7 in)
MTTR Power Supply Or Fans	5 minutes
Cooling Per Slot Class	enough air to cool 60 W at 10 C rise; up to 75 W at 15 C rise
Front Clearance Recommended	at least 100 mm (4 in)

PARAMETER	VALUE
Top Ventilation	1 rack unit (1.75 in)

E1401B Specifications

PARAMETER	VALUE
Agilent E1401B High Power 13 Slot C Size VXI Mainframe	Overview
QUIC injector surface rails	VXIbus Rev 1.4 compliant backplane
Technical Specifications	Slots: 13
Notes	Mechanical and power numbers from Agilent E1401B datasheet. Usable power is total output before thermal protection shutdown.

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
Slots	13
Module Size Supported	C (A/B with adapter)
VXI Device Type	mainframe
VXIbus Revision	1.4
Connectors	P1/P2
Usable Power 25 C 120 To 240 Vac: 900 W	
Usable Power 40 C 120 To 240 Vac: 800 W	
Usable Power 55 C 120 To 240 Vac: 700 W	
Specifications	
PARAMETER	VALUE
Usable Power 100 Vac All Temps Listed	650 W
Available Power Sum 25 C	1690 W
Available Power Sum 55 C	1488 W
AC Input Range 50 To 60 Hz	100 to 240 Vac plus/minus 10 percent
AC Input Frequency	50 to 60 Hz plus/minus 10 percent
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Notes

Mechanical and power numbers from Agilent E1401B datasheet. Usable power is total output before thermal protection shutdown.

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.