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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1361A

The Agilent/Keysight E1361A is a B-size, 1-slot, register-based VXI 4×4 two-wire relay matrix. OEM service manual states 16 latching crosspoint relays connecting High and Low from any of four rows to any of four columns, with optional jumper configuration as two 4×2 matrices; relays retain state through power cycles until reset opens all. Small crosspoint signal routing, 2-wire matrix switching, and scanning matrix applications in SeriesBVXI systems. Optional Topology: two 4×2 matrices via jumpers Closed Channel Resistance Spec: 3.5 ohm per contact path (verification limit) Programming: SCPI CLOSe/OPEN with command module or register based Compatible Mainframes Cited: E1300A E1301A E1302A E1401B/T E1421A with command module Isolation Test Range Class: 2-wire ohms up to 1 Gohm with recommended DMMCSize Path: adapter required for C-size mainframes Topology, latching behavior, 3.5 ohm closed-channel verification limit, and relay life from Agilent E1361A service manual. Full maximum voltage/current ratings are in the E1361A user's manual Appendix A; confirm those on the installed unit.



MODEL

**Agilent / Keysight
E1361A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1361A

LISTING

<https://aumictechlabs.com/products/e1361a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1361A is a B-size, 1-slot VXI register-based relay matrix module that delivers high-density signal routing and switching for automated test systems. The module features a configurable 4×4 2-wire matrix with latching relays that retain their programmed state

through power cycles. Relays reset to open on power-on. The E1361A supports reconfiguration as a dual 2×4 2-wire matrix or 8:1 2-wire multiplexer, making it adaptable to diverse switching architectures. Each crosspoint switches both Hi and Lo lines independently.

Technical Specifications

Switching Performance Voltage rating: up to 250 Vdc and 354 Vpk ac Current rating: 1 A dc or ac per channel Power per channel: 40 W Power per module: 320 W / 960 VA Closed channel resistance: <1.5 Ω typical, <3.5 Ω end-of-life Maximum thermal offset per channel (differential Hi-Lo): 14 μ V Maximum voltage (any terminal to any other terminal or chassis): 250 V dc, 250 V ac rms, 354 V peak

Module Configuration Device type: Register-based, A16, slave only Module size: B-size, 1-slot Relay type: Latching Standard matrix: 4×4 2-wire Alternative configurations: Dual 2×4 2-wire or 8:1 2-wire multiplexer

Key Features Latching relay design eliminates holding current Programmed relay state preserved across power loss All-relays-open initialization on power-on reset 2-wire crosspoint architecture with independent Hi/Lo switching Field-reconfigurable matrix topology via jumper removal Scalable architecture supports matrix expansion

Typical Applications Automated test equipment, prototyping platforms, custom circuit development, multi-channel signal routing, production test systems requiring dynamic path reconfiguration.

Compatibility & Integration The E1361A integrates into VXIbus systems as a register-based module. C-size system compatibility requires the E1403C adapter. Multiple modules can be connected for expanded matrix configurations. Documentation includes user and service manuals; instrument drivers are available from Keysight Technologies.

E1361A Characteristics / Specifications

PARAMETER	VALUE
Matrix Topology	4×4 two wire
Crosspoint Relays	16 latching relays
Closed Channel Resistance Spec	3.5 ohm per contact path (verification limit)
Relay Life No Load	1e6 operations
Relay Life Rated Load	1e5 operations
VXI Device Type	register based instrument
Module Size	B
Slots Occupied	1
Connectors	P1
Shared Memory	None
Power Up Behavior	relays retain last programmed state
Power Down Behavior	relays retain last programmed state
After Reset	all relays open
Multiple Closures	more than one relay may be closed at a time
Terminal Interface	terminal block assembly
Programming	SCPI CLOS e/OPEN with command module or register based
Compatible Mainframes Cited	E1300A E1301A E1302A E1401B/T E1421A with command module
Operating Temperature Class	0 to 55 C
Form Factor	B-size VXI
Product Name	2 Wire 4×4 Relay Matrix
Isolation Test Range Class	2-wire ohms up to 1 Gohm with recommended DMM C Size Path: adapter required for C-size mainframes
Operating temperature	Class: 0 to 55 C

E1361A Specifications

PARAMETER	VALUE
Agilent E1361A 4×4 Two Wire Relay Matrix	Overview
Applications	Small crosspoint signal routing, 2-wire matrix switching, and scanning matrix applications in Series B VXI systems.
Key Features	4×4 two wire latching crosspoints
Reset opens all relays	Screw terminal block user connections
Technical Specifications	Matrix Topology: 4×4 two wire

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Form Factor	B-size VXI
Product Name	2 Wire 4×4 Relay Matrix
Isolation Test Range Class	2-wire ohms up to 1 Gohm with recommended DMMCSize Path: adapter required for C-size mainframes Notes Topology, latching behavior, 3.5 ohm closed-channel verification limit, and relay life from Agilent E1361A service manual. Full maximum voltage/current ratings are in the E1361A user's manual Appendix A; confirm those on the installed unit.

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	
Matrix Topology: 4x4 two wire	
Optional Topology: two 4x2 matrices via jumpers	
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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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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.