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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1467A 8 x 32 Relay Matrix Switch

The Agilent/Keysight E1467A isaC-size, 1-slot, register-based VXI relay matrix switch. OEM materials specify a 8×32 two-wire crosspoint matrix created by the product terminal module onashared switch card with 256 latching armature relays arranged as four 4×16 submatrixes. E1465A/E1466A/E1467A share identical performance specifications except crosstalk, which depends on topology. Large automated test matrix switching, crosspoint expansion across chained modules, and high point-count signal routing in C-size VXI mainframes. Insulation Resistance 40 C 95 Percent RH: 1e8 ohm between any two points Insulation Resistance 25 C 40 Percent RH: 1e9 ohm between any two points Max Two Wire Crosspoints In 13 Slot Mainframe: 3072 with chaining Numeric limits from Agilent/Keysight E1465A/E1466A/E1467A relay matrix switch OEM specifications and user manual Appendix A. Crosstalk tables differ by topology; confirm faceplate/terminal block for installed configuration.



MODEL

**Agilent / Keysight
E1467A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1467A

LISTING

<https://aumictechlabs.com/products/e1467a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E1467A is a C-size, 1-slot VXI relay matrix switch delivering 256 two-wire crosspoints in an 8×32 configuration. Built on latching armature relays and register-based control, this module executes non-blocking signal routing with sub-millisecond switching speed. The

E1467A scales through matrix expansion via chaining cables, enabling larger configurations - three units create an 8×96 matrix, and a full 13-slot mainframe supports up to 3072 crosspoints. QUIC terminal blocks provide field-configurable topology selection.

Technical Specifications

Matrix Configuration: 8 rows × 32 columns, 256 two-wire crosspoints

Switching Speed: <1 ms

Relay Type: Latching armature relays

Configuration: Non-blocking

Terminal Blocks: QUIC design; topology determined by terminal block selection

Module Class: Register-based, C-size, 1-slot VXI

Crosstalk (50 Ω system, worst-case paths):

Within card: Closed-to-closed: -72 dB (<10 kHz), -51 dB (<100 kHz), -33 dB (<1 MHz)

Open row-to-row: -91 dB (<10 kHz), -59 dB (<100 kHz), -43 dB (<1 MHz)

Open row-to-column: -85 dB (<10 kHz), -64 dB (<100 kHz), -47 dB (<1 MHz)

Open column-to-column: -92 dB (<10 kHz), -71 dB (<100 kHz), -54 dB (<1 MHz)

Module-to-module (8×64 configuration): Closed-to-closed: -72 dB (<10 kHz), -51 dB (<100 kHz), -33 dB (<1 MHz)

Open row-to-row: -74 dB (<10 kHz), -53 dB (<100 kHz), -38 dB (<1 MHz)

Open row-to-column: -92 dB (<10 kHz), -72 dB (<100 kHz), -56 dB (<1 MHz)

Open column-to-column: -82 dB (<10 kHz), -64 dB (<100 kHz), -50 dB (<1 MHz)

Key Features

Scalable Architecture: Supports expansion to larger matrices via optional chaining cable (e.g., E1466-80002) or expansion terminal blocks (Options 201/211)

Compatible Core: Shares switch card topology with E1465A and E1466A models for flexible system integration

Multi-Protocol Control: GPIB, RS-232, and VXI plug&play interfaces

Software Support: LabVIEW, Agilent VEE, MATLAB, and C/C++

Relay State: Relays open at power-up

Typical Applications

Automated test systems requiring high-density signal routing

Data acquisition and multiplexing

General-purpose two-wire switching and matrix expansion

Compatibility & Integration

The E1467A integrates into standard VXI mainframes and chains with E1465A and E1466A modules. Matrix expansion degrades crosstalk and bandwidth; worst-case specifications apply to expanded configurations.

E1467A Characteristics / Specifications

PARAMETER	VALUE
Matrix Topology	8×32 two wire
Row Address Range	00 to 07
Column Address Range	00 to 31
Two Wire Crosspoints Per Module	256
Submatrix Arrangement	four 4×16 submatrixes on shared switch card
Relay Type	latching armature
VXI Device Type	register based
Module Size	C
Slots Occupied	1
Maximum Voltage Terminal To Terminal	200 Vdc or 170 Vac rms (238 Vac peak to peak)
Maximum Voltage Terminal To Chassis	200 Vdc or 170 Vac rms (238 Vac peak to peak)
Maximum Current Per Channel	1 Adc or 1 A ac peak non inductive
Maximum Power Per Channel	30 Wdc or 62.5 VA ac resistive
Closed Channel Resistance Initial	<4.0 ohm
Closed Channel Resistance End Of Life	<10.0 ohm
Thermal Offset Per Channel	<5 uV differential Hi Lo
Bandwidth Minus 3 dB Worst Crosspoint	>10 MHz with Zload equals Zsource
Closed Channel Capacitance Hi To Lo	<270 pF
Closed Channel Capacitance Hi To GND	<430 pF
Closed Channel Capacitance Lo To GND	<440 pF
Insulation Resistance 40 C 95 Percent RH	1e8 ohm between any two points
Insulation Resistance 25 C 40 Percent RH	1e9 ohm between any two points
Relay Life No Load	5e6 operations
Relay Life Full Load	1e5 operations
Peak Module Current Plus 5 V	0.10 A

PARAMETER	VALUE
Peak Module Current Plus 12 V	0.18 A
Watts Per Slot Cooling	5 W
Operating Temperature	0 to 55 C
Max Two Wire Crosspoints In 13 Slot Mainframe	3072 with chaining
Bandwidth	Minus 3 dB Worst Crosspoint: >10 MHz with Zload equals Zsource

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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Max Two Wire Crosspoints In 13 Slot Mainframe	3072 with chaining Notes Numeric limits from Agilent/Keysight E1465A/E1466A/E1467A relay matrix switch OEM specifications and user manual Appendix A. Crosstalk tables differ by topology; confirm faceplate/terminal block for installed configuration.

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.

performance specifications except crosstalk, which depends on topology.

Applications

Large automated test matrix switching, crosspoint expansion across chained modules, and high point-count signal routing in C-size VXI mainframes.

Key Features

Latching armature relays reduce continuous power draw

QUIC terminal blocks set matrix topology

Daisy chain expansion cable for larger matrices

Downloadable channel lists into onboard memory

Register based VXI control with SCPI via command module

Technical Specifications

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Peak Module Current Plus 5 V	0.10 A
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Operating Temperature	0 to 55 C

Max Two Wire Crosspoints In 13 Slot Mainframe: 3072 with chaining

Notes

Numeric limits from Agilent/Keysight E1465A/E1466A/E1467A relay matrix switch OEM specifications and user manual Appendix A. Crosstalk tables differ by topology; confirm faceplate/terminal block for installed configuration.

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.