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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1468A

The Agilent/Keysight E1468A is a C-size, single-slot, register-based VXI relay matrix. OEM datasheet 5965-5594E lists an 8×8 two-wire topology (also 4×16) on the same 64-channel two-wire latching armature component card as E1460A, with guard/shield per row/column and QUIC terminal block. Moderate-density crosspoint switching needing higher voltage/power and better crosstalk than high-density E1465/66/67A matrices. 8×8 and 4×16 two wire switching topologies Daisy chain expansion via E1468-80002 cable Bias Current: less than 0.5 nA/V at 25 C 25 percent RH VXI Device Type: register based A16 slave only Module Current Plus 5 V IPM IDM: 0.1 A / 0.1 A Values from Agilent E1468A datasheet 5965-5594E. Expansion degrades crosstalk/bandwidth/insulation versus single-module specs.



MODEL

**Agilent / Keysight
E1468A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1468A

LISTING

<https://aumictechlabs.com/products/e1468a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1468A is a C-size, single-slot VXI message-based relay matrix module delivering 64-channel, two-wire switching across an 8×8 topology. Each crosspoint switches both high and low signals, making it suitable for signal routing and data acquisition in modular test systems. The module integrates directly into VXIbus chassis and supports expansion to larger configurations - 16×16, 8×24, and beyond - by daisy-chaining multiple units via the E1468-80002 cable. The E1468A shares the same component card as the E1460A, ensuring design consistency across compatible products. Technical Specifications Topology: 8×8 relay matrix Channel Count:

64-channel, two-wire configuration Switching: High and low signal switching at each crosspoint
Module Class: VXI message-based instrument, C-size, 1-slot Crosstalk, Insulation Resistance,
Bandwidth: Single-module specifications only; expansion degrades these parametersKey
Features Two-wire switching across all 64 channels Daisy-chain expansion capability for matrix
scaling Compatible component card with E1460A Message-based VXIbus communication Flexible
signal routing for AC and DC applicationsTypical Applications Multi-channel data acquisition
Signal routing and matrix switching Automated test and measurement systems Modular matrix
expansion in production test environmentsCompatibility & Integration Designed for VXIbus
systems. Multiple E1468A modules interconnect via E1468-80002 daisy-chain cable to build
larger switching matrices. Uses standard component card design shared with the E1460A relay
matrix module.

E1468A Characteristics / Specifications

PARAMETER	VALUE
Matrix Topologies	8×8 or 4×16 two wire
Relay Type	latching armature
Maximum Voltage DC	220 V
Maximum Voltage AC RMS	250 V
Maximum Current Per Channel Low Voltage	1 Adc or ac rms below 30 Vdc/rms
Maximum Current Per Channel Higher Voltage	0.3 Adc or ac rms below 220 Vdc/rms
Maximum Power Per Module	40 VA
Maximum Thermal Offset Differential Hi Lo	7 uV
Closed Channel Resistance Initial	less than 1.5 ohm
Closed Channel Resistance End Of Life	less than 3.5 ohm
Insulation Resistance 40 C 95 Percent RH	5e8 ohm
Insulation Resistance 25 C 40 Percent RH	5e8 ohm
Minimum Bandwidth Minus 3 dB	10 MHz (25 MHz typical) at 50 ohm
Crosstalk Below 10 kHz Typical	less than -90 dB
Closed Channel Capacitance Hi Lo	650 pF
Closed Channel Capacitance Lo Chassis	700 pF
Relay Life No Load	4e6 operations
Screw Terminal Wire Size	18 to 26 AWG
Bias Current	less than 0.5 nA/V at 25 C 25 percent RH
VXI Device Type	register based A16 slave only
Module Size	C
Slots Occupied	1
Connectors	P1/P2

PARAMETER	VALUE
Module Current Plus 5 V IPM IDM	0.1 A / 0.1 A
Watts Per Slot	5.00
Bandwidth	Minus 3 dB: 10 MHz (25 MHz typical) at 50 ohm

E1468A Specifications

PARAMETER	VALUE
Agilent E1468A 8×8 Relay Matrix Switch	Overview
Applications	Moderate-density crosspoint switching needing higher voltage/power and better crosstalk than high-density E1465/66/67A matrices.
Key Features	8×8 and 4×16 two wire switching topologies
Latching armature relays	Guard or shield for each row and column
QUIC terminal block included	Daisy chain expansion via E1468-80002 cable
Technical Specifications	Matrix Topologies: 8×8 or 4×16 two wire
Notes	Values from Agilent E1468A datasheet 5965-5594E. Expansion degrades crosstalk/bandwidth/insulation versus single-module specs.

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	
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VXI Device Type	register based A16 slave only
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Connectors	P1/P2
Module Current Plus 5 V IPM IDM	0.1 A / 0.1 A
Watts Per Slot	5.00

Notes

Values from Agilent E1468A datasheet 5965-5594E. Expansion degrades crosstalk/bandwidth/insulation versus single-module specs.

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.