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Data Sheet
August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E8460A 256-Channel Relay Multiplexer

Keysight / Agilent E8460A 256-Channel Relay Multiplexer The Keysight/Agilent E8460A isaC-size VXI 256-channel relay multiplexer for high-density signal switching in automated test systems. OEM VXI switch literature specifies Form A/C relay topologies, channel counts, and bandwidth/carry-current classes for dense mux applications in E1401-class mainframes. High-density ATE signal routing, data-acquisition multiplexing, and automated switching in VXI systems. Two hundred fifty six channel relay multiplexer The Keysight/Agilent E8460A isaC-size VXI 256-channel relay multiplexer for high-density signal switching in automated test systems. OEM VXI switch literature specifies Form A/C relay topologies, channel counts, and bandwidth/carry-current classes for dense mux applications in E1401-class mainframes. High-density ATE signal routing, data-acquisition multiplexing, and automated switching in VXI systems. Two hundred fifty six channel relay multiplexer Host Mainframes Class: E1401 and compatible VXI mainframes

MODEL **Agilent / Keysight E8460A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E8460A**	LISTING **https://aumictechlabs.com/products/e8460a-2/**

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E8460A is a C-size, 1-slot VXI relay multiplexer delivering 256 channels of fast-action reed relay switching for automated test systems requiring high-density signal routing. Register-based control enables programmable topology configurations from 256×1 to sixteen 16×1 arrangements, supporting two-wire, three-wire, and four-wire measurement setups. Contact protection and minimal crosstalk preserve signal integrity across switching operations.Technical Specifications Module Format: C-size, 1-slot VXI module Switching Technology: Fast-action reed relays Channel Count: 256 Open/Close Time: 0.5 ms maximum Maximum DC Voltage: 200 V Maximum AC RMS Voltage: 140 V Maximum AC Peak Voltage: 200 V Maximum Switching Current per Channel: 300 mA Maximum General Current per Channel: 100 mA (terminal-dependent) Maximum Power per Channel (Resistive Load): 5 VAKey Features Configurable channel topologies: one 256×1, four 64×1, one 128×2, two 32×4, one 64×3, or sixteen 16×1 Rapid relay switching for high-speed scanning applications Built-in contact protection for extended relay life Minimal crosstalk for accurate multi-channel measurements Register-based programming for flexible controlTerminal Block Options Three terminal block configurations available (ordered separately):Option 012: Crimp-and-insert connectors. Connector blocks require replacement after 10,000 hours when switching voltages exceed 60 V DC, 50 V ACrms, or 70.7 V ACpeak.Option 014: Fault Tolerant Terminal Block with nine ribbon-cable headers and channel-integrated PTC resettable fuses. Maximum voltage: 60 V DC, 50 V ACrms, or 70.7 V ACpeak.Option 015: Ribbon Cable Connector Terminal Block with nine ribbon-cable headers.Compatibility & Integration Analog bus connectivity enables daisy-chaining with additional E8460A modules or compatible measurement modules such as the E1411B. Standard analog bus cable E1400-61605 provides interconnection.

E8460A Characteristics / Specifications

PARAMETER	VALUE
Model	E8460A
Instrument Type	VXI relay multiplexer
Channel Count	256
Module Size	C-size VXI
Switch Type	Relay multiplexer
Platform Family	Agilent/HP VXI switches
Host Mainframes Class	E1401 and compatible VXI mainframes
Control	VXI register / message based class per sheet
Chassis Form	Single-slot C-size module class
Brand Lineage	Keysight / Agilent
Related Switches	E1442A and sibling VXI switch modules
Bandwidth Class	Relay mux bandwidth per E8460A sheet
Carry Current Class	Per relay rating table
Switching Voltage Class	Per relay rating table
Path Resistance Class	Per channel path resistance table
Operating Temperature Spec Class	Follow VXI module sheet
Documentation Scope	OEM E8460A VXI multiplexer documentation
Installed Options	Determine topology (Form A/C) and connectors
Power	Derived from VXI backplane
Warmup Spec Class	Not typically RF-warm-up limited
Safety Class	Observe maximum switch ratings
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate
Bandwidth	Class: Relay mux bandwidth per E8460A sheet
Operating temperature	Spec Class: Follow VXI module sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow VXI module sheet
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Installed Options	Determine topology (Form A/C) and connectors
Power	Derived from VXI backplane
Warmup Spec Class	Not typically RF-warm-up limited
Safety Class	Observe maximum switch ratings
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate Notes From Keysight/Agilent E8460A VXI multiplexer documentation. Exact relay topology, bandwidth, and current ratings are on the module data sheet / faceplate.

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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Notes
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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

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