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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1460A 64-Channel Relay Multiplexer

Agilent E1460A 64 Channel Relay Multiplexer The Agilent/Keysight E1460A isaC-size, 1-slot, register-based high-density relay multiplexer. OEM datasheet 5965-5606E lists configurable topologies of 64 two-wire, 32 three-wire, 32 four-wire, or 128 single-ended latching armature channels with QUIC terminal block E1460-80011. Wire harness and cable test, semiconductor and PCB switching, and scanning voltmeter applications when paired with an adjacent E1411B multimeter via analog bus cable. Armature latching relays with break before make The Agilent/Keysight E1460A isaC-size, 1-slot, register-based high-density relay multiplexer. OEM datasheet 5965-5606E lists configurable topologies of 64 two-wire, 32 three-wire, 32 four-wire, or 128 single-ended latching armature channels with QUIC terminal block E1460-80011. Wire harness and cable test, semiconductor and PCB switching, and scanning voltmeter applications when paired with an adjacent E1411B multimeter via analog bus cable. Armature latching relays with break before make SCPI or terminal jumpers configure wire mode

MODEL	CALIBRATION
Agilent / Keysight E1460A	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
E1460A	https://aumictechlabs.com/products/e1460a-2/

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

This unit

The Keysight E1460A is a C-size, 1-slot VXI relay multiplexer delivering high-density signal routing for automated test systems. Built around latching armature switches, this register-based module

configures into multiple topologies: 64 two-wire, 32 three-wire, 32 four-wire, or 128 single-ended channels. Configuration occurs via SCPI commands or jumper settings on the terminal card, enabling flexible deployment across wire harness testing, cable validation, semiconductor characterization, and PCB diagnostics.Technical Specifications Switch Architecture: Eight banks of eight Hi and Lo switches with independent commons; seven programmable control switches; six sets of wire jumpers Closed Channel Resistance: < 1.5 Ω (initial), < 3.5 Ω (end of life) Thermal Offset: 7 µV typical per channel (differential Hi-Lo) Maximum Voltage: 220 Vdc or 250 V rms (any terminal to any other terminal or chassis) Maximum Current: 1 A dc/ac rms below 30 Vdc; 0.3 A dc/ac rms below 133 Vdc (per channel common, non-inductive) Maximum Power: 40 VA per channel Insulation Resistance: 5×10^8 Ω at 25 °C, 40% RH; 5×10^6 Ω at 40 °C, 95% RH Bandwidth (–3 dB, 50 Ω source/load): 10 MHz (2-wire), 3 MHz (1-wire) Channel-to-Channel Crosstalk: ≤ 90 dB at 100 kHz (2-wire); ≤ 60 dB (1-wire) Closed Channel Capacitance: < 650 pF (Hi-Lo, 2-wire); < 700 pF (Lo-Chassis, 2-wire)Key Features QUIC screw terminal block (16–26 AWG wire) with optional crimp-and-insert terminal block Configurable as multiple 1×8 or 1×16 two-wire multiplexers Register-based VXI interface (A16 slave only) Support for insulation testing and scanning voltmeter configurationsTypical Applications Wire harness and cable testing Semiconductor device testing Printed circuit board (PCB) testing Insulation measurement systems Multi-channel voltage scanningCompatibility & Integration Connects via P1 and P2 VXI connectors. Integrates into VXI mainframes supporting register-based slave modules.

E1460A Characteristics / Specifications

PARAMETER	VALUE
Channel Topologies	64×2 wire, 32×3 wire, 32×4 wire, or 128×1 wire
Relay Type	latching armature break before make
VXI Device Type	register based A16 slave only
Module Size	C
Slots Occupied	1
Connectors	P1 and P2
Maximum Voltage DC	220 Vdc any terminal to any other or chassis
Maximum Voltage AC RMS	250 V rms any terminal to any other or chassis
Maximum Current Per Channel Low Voltage	1 Adc or ac rms below 30 Vdc
Maximum Current Per Channel Higher Voltage	0.3 Adc or ac rms below 133 Vdc
Maximum Power Per Channel	40 VA
Maximum Thermal Offset Differential Hi Lo	7 uV
Closed Channel Resistance Initial	<1.5 ohm
Closed Channel Resistance End Of Life	<3.5 ohm
Insulation Resistance 40 C 95 Percent RH	5e6 ohm
Insulation Resistance 25 C 40 Percent RH	5e8 ohm
Minimum Bandwidth Two Wire	10 MHz at 50 ohm source/load
Minimum Bandwidth One Wire	3 MHz at 50 ohm source/load
Crosstalk 100 kHz One Wire	<=60 dB
Crosstalk 100 kHz Two Wire	<=90 dB
Closed Channel Capacitance Hi Lo	<650 pF two wire mode
Closed Channel Capacitance Lo Chassis	<700 pF two wire mode
Scanning Rate Typical	75 channels/s

PARAMETER	VALUE
Relay Life No Load	5e6 operations
Relay Life Rated Load	1e5 operations
Screw Terminal Wire Size	16 to 26 AWG
Power Up State	relays open
Power Down State	relays open
Module Current Plus 5 V IPM IDM	0.1 A / 0.1 A
Watts Per Slot	5.00
Bandwidth	Two Wire: 10 MHz at 50 ohm source/load

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

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Maximum Power Per Channel	40 VA
Maximum Thermal Offset Differential Hi Lo	7 uV
Closed Channel Resistance Initial	<1.5 ohm
Closed Channel Resistance End Of Life	<3.5 ohm
Insulation Resistance 40 C 95 Percent RH	5e6 ohm
Insulation Resistance 25 C 40 Percent RH	5e8 ohm
Minimum Bandwidth Two Wire	10 MHz at 50 ohm source/load
Minimum Bandwidth One Wire	3 MHz at 50 ohm source/load
Crosstalk 100 kHz One Wire	<=60 dB
Crosstalk 100 kHz Two Wire	<=90 dB
Closed Channel Capacitance Hi Lo	<650 pF two wire mode
Closed Channel Capacitance Lo Chassis	<700 pF two wire mode
Scanning Rate Typical	75 channels/s
Relay Life No Load	5e6 operations
Relay Life Rated Load	1e5 operations

PARAMETER	VALUE
Screw Terminal Wire Size	16 to 26 AWG
Power Up State	relays open
Power Down State	relays open
Module Current Plus 5 V IPM IDM	0.1 A / 0.1 A
Watts Per Slot	5.00

Notes
Values from Agilent E1460A datasheet 5965-5606E. Confirm installed terminal block and wire mode for exact channel map.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.