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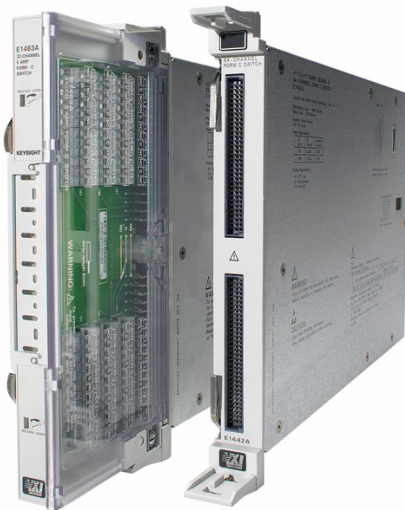
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1442A 64-Channel Form C or Form A Switch

Agilent Keysight E1442A 64 Channel FormC Or FormA Switch The Keysight/Agilent E1442A is a C-size 1-slot register-based VXI general-purpose switch with 64 non-latching FormC relays (FormA configurations via options). Each relay includes axial component locations for jumpers, fuses or pull-up/down resistors and can tie to internal buses through the removable terminal block. Device actuation, digital output style switching, flexible signal routing in VXI ATE, and general-purpose Form C/A switching up to 150 V and 1 A. The Keysight/Agilent E1442A is a C-size 1-slot register-based VXI general-purpose switch with 64 non-latching FormC relays (FormA configurations via options). Each relay includes axial component locations for jumpers, fuses or pull-up/down resistors and can tie to internal buses through the removable terminal block. Device actuation, digital output style switching, flexible signal routing in VXI ATE, and general-purpose Form C/A switching up to 150 V and 1 A. 64 non-latching FormC relays on one C-size slot



MODEL

**Agilent / Keysight
E1442A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1442A

LISTING

<https://aumictechlabs.com/products/e1442a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1442A is a VXI-based switch module delivering 64 channels of signal routing and control for automated test systems. This C-size, single-slot register-based module

features non-latching Form C (SPDT) relays by default, with Form A (SPST) configuration available via Option 020. Each relay incorporates three independent axial component locations for jumpers, fuses, or protection networks, with all terminals connectable to internal buses for flexible wiring topologies.

Technical Specifications

Channel Count: 64 channels

Relay Type: Non-latching armature relays

Configuration: Form C (SPDT) standard; Form A (SPST) with Option 020

Module Class: VXIbus C-size, 1-slot, register-based

Maximum Voltage: 150 V DC / 150 V AC rms / 210 V AC peak (C to NC, NO, or any terminal-to-chassis)

Maximum Current: 1 A DC / 1 A AC rms (non-inductive, per switch)

Power Rating: 40 W DC or 40 VA AC per switch; 320 W DC or 320 VA AC per module

Component Locations: Three independent locations per relay for jumpers, fuses, or resistors

Key Features

High-density 64-channel architecture in single VXI slot

Three internal buses for simplified signal routing and reduced external wiring

Multiple terminal block options: standard solder lugs (base), screw terminals (Option 020), or enhanced Form C with 96-pin DIN-C connectors (Option 010)

Option 010 supports direct solder-wire connections (0.055 in. holes, max 20 AWG wire gauge)

Downloadable firmware (revision A.06) with register-based command interface

Typical Applications

Automated device actuation and switching

High-density signal routing in test systems

Digital output module functionality

Multi-point data acquisition

switching

Compatibility & Integration

Supported driver frameworks: I-SCPI (Win 3.1, Series 700), C-SCPI (LynxOS, Series 700), VXIplug&play (Win Framework, Win 95/NT Framework)

HP-UX Framework not supported

QUIC interface standard across all configurations

E1442A Characteristics / Specifications

PARAMETER	VALUE
Model	E1442A
Instrument Type	64 channel FormCor FormAswitch
Card Format	VXI C-size 1 slot register based
Relay Count	64
Relay Type	nonlatching Form C (FormAvia options)
Maximum Voltage Dc	150 V
Maximum Voltage Ac Rms	150 V
Maximum Voltage Ac Peak	210 V
Maximum Current Dc Per Switch	1 A
Maximum Current Ac Rms Per Switch	1 A
Maximum Power Per Switch Dc	40 W
Maximum Power Per Switch Ac	40 VA
Maximum Power Per Module Dc	320 W
Maximum Power Per Module Ac	320 VA
Maximum Thermal Offset	70 uV
Closed Channel Resistance Initial Typical	1.5 ohm
Closed Channel Resistance End Of Life	less than 3.5 ohm
Insulation Resistance 40 C 95 Percent Rh	greater than 1e7 ohm
Insulation Resistance 25 C 40 Percent Rh	greater than 1e8 ohm
Typical Bandwidth Minus 3 Db	10 MHz
Crosstalk Below 100 Khz	less than minus 70 dB
Crosstalk Below 10 Mhz	less than minus 28 dB
Closed Channel Capacitance Channel To Channel	less than 30 pF
Closed Channel Capacitance Channel To Common	less than 40 pF

PARAMETER	VALUE
Power Up Down State	all open (nonlatching)
Terminal Wire Size Option 0	screw greater than or equal to 18 AWG (1.2 mm)
Publication	5965-5588
Bandwidth	Minus 3 Db: 10 MHz

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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PARAMETER	VALUE
Power Up Down State	all open (nonlatching)
Terminal Wire Size Option 020	screw greater than or equal to 18 AWG (1.2 mm)
Publication	5965-5588

Notes
Numeric rows from Keysight E1442A 64-Channel FormCor FormASwitch data sheet 5965-5588.

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