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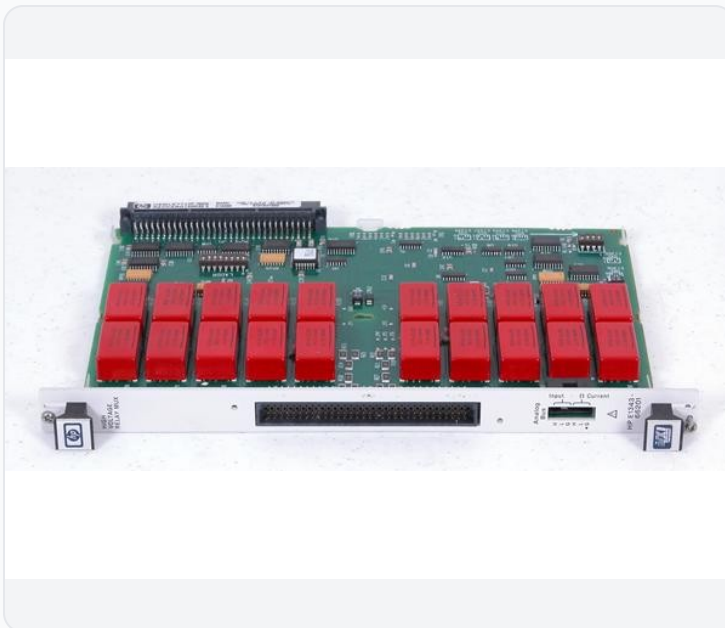
Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1343A 16-Channel GP High-Voltage Relay Multiplexer

Channel Scanning: CLOSe/SCAN style switch commands Terminal Interface: terminal module/field wiring Documentation: E1300B/E1301B installation and mux manuals Identity, channel count, and scanning-multimeter role from Keysight E1300B/E1301B installation/configuration guides. Use the E1343A switch manual for exact voltage/current ratings. Terminal Interface: terminal module/field wiring Documentation: E1300B/E1301B installation and mux manuals Identity, channel count, and scanning-multimeter role from Keysight E1300B/E1301B installation/configuration guides. Use the E1343A switch manual for exact voltage/current ratings.



MODEL

**Agilent / Keysight
E1343A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1343A

LISTING

<https://aumictechlabs.com/products/e1343a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1343A is a 1-slot B-size VXI relay multiplexer module delivering high-voltage switching across 16 channels with configurable architectures. Built on reed relay technology, the module supports operation as a single 1×16 three-wire multiplexer, two independent 1×8 three-wire multiplexers, or a 1×8 six-wire multiplexer - enabling flexible test configurations from simple analog routing to four-wire resistance measurements and precision 6-wire setups. Register-based control via SCPI commands and downloadable firmware provide

straightforward integration into automated test systems.

Technical Specifications

Switching Performance

16 channels, each with high, low, and guard connections
Reed relay construction with break-before-make switching
350 channels/second typical scanning rate
Relay life: 10^8 operations (no load); 10^7 operations (rated load)
Relays open on power-up and power-down

Electrical Ratings

Maximum voltage (any terminal to any other or chassis): 250 Vdc / 250 Vrms ac
Maximum current per channel common (non-inductive): 50 mA
Maximum power per channel: 1 VA

Module Architecture

VXI device type: Register-based, A16, slave only
Form factor: B-size, 1 slot
Connector: P1 Screw terminal connections: 16–26 AWG wire (0.5–1.5 mm)
Weight: 10 lbs (approximate)
Dimensions: 12 × 10 × 8 in (approximate)

Power Consumption

+5 V: 0.2 A
+12 V: 0.13 A
+24 V: 0 A
–5.2 V: 0 A
–12 V: 0 A

Key Features

Multiple configuration modes for general-purpose analog switching
Shared switch card design with E1345A, E1346A, E1347A, E1355A, E1356A modules
Analog bus connectivity for inter-module communication
SCPI-based control with downloadable command module firmware

Compatibility & Integration

The E1343A fits directly into B-size VXI mainframes (Agilent E1300B, E1301B). For C-size mainframe integration, deploy the E1403C active adapter. Analog bus cables enable connection with companion instruments such as the E1326B DMM. Instrument drivers and software support include I-SCPI (Win 3.1, Series 700), C-SCPI (LynxOS, Series 700), VXIplug&play frameworks, and panel drivers.

E1343A Characteristics / Specifications

PARAMETER	VALUE
Channels	16
Multiplexer Type	high voltage relay multiplexer
Module Size	B
Slots Occupied	1
Product Family	E134x relay multiplexers
Typical Companion DMM	E1326B
Analog Bus	yes for scanning multimeter
VXI Device Type	register based switch
Programming	SCPI via SeriesBcontroller
Switchbox Mode	supported with sequential addresses
Related Low Voltage Mux	E1345A
Related Thermocouple Mux	E1347A
Related FET Mux	E1351A family
Mainframe Family	E1300/E1301 SeriesBLogical Address: switch selectable
Operating Temperature Class	0 to 55 C
Bus Connector	P1
C Size Use	E1403 adapter path
Channel Scanning	CLOSe/SCAN style switch commands
Terminal Interface	terminal module/field wiring
Power On Relays	open class
Form Factor	B-size VXI
Documentation	E1300B/E1301B installation and mux manuals
Operating temperature	Class: 0 to 55 C

E1343A Specifications

PARAMETER	VALUE
Agilent E1343A 16 Channel High Voltage Multiplexer	Overview
Applications	High-voltage channel scanning into E1326B/E1411B multimeters and general high-voltage mux switching in Series B VXI systems.
Key Features	16 channel high voltage relay multiplexer
Technical Specifications	Channels: 16

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Bus Connector	P1
C Size Use	E1403 adapter path
Channel Scanning	CLOSe/SCAN style switch commands
Terminal Interface	terminal module/field wiring
Power On Relays	open class
Form Factor	B-size VXI
Documentation	E1300B/E1301B installation and mux manuals Notes Identity, channel count, and scanning-multimeter role from Keysight E1300B/E1301B installation/configuration guides. Use the E1343A switch manual for exact voltage/current ratings.

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	
Identity, channel count, and scanning-multimeter role from Keysight E1300B/E1301B installation/configuration guides. Use the E1343A switch manual for exact voltage/current ratings.	

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.