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Data Sheet
August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E1476A High-Density Reed Relay Multiplexer Module

HP Agilent E1476A High Density Reed Relay Multiplexer VXI The HP E1476A isaC-size VXI high-density reed-relay multiplexer (64-channel 3-wire class family) for low-thermal scanning of analog signals toaVXI DMM. Reed relays suit thermocouple and low-level DC scanning. QUIC terminal blocks land field wiring. VXI scanned analog measurements; thermocouple and low-level DC mux to E1411A/E1412A; production multi-channel DC test. The HP E1476A isaC-size VXI high-density reed-relay multiplexer (64-channel 3-wire class family) for low-thermal scanning of analog signals toaVXI DMM. Reed relays suit thermocouple and low-level DC scanning. QUIC terminal blocks land field wiring. VXI scanned analog measurements; thermocouple and low-level DC mux to E1411A/E1412A; production multi-channel DC test.

MODEL	CALIBRATION
Keysight / Agilent / HP E1476A	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
E1476A	https://aumictechlabs.com/products/e1476a-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight/Agilent/HP E1476A is a high-density VXIbus reed relay multiplexer module engineered for automated test and data acquisition systems requiring precise multi-channel switching. This C-size, single-slot register-based module delivers thermocouple-compensated measurements, voltage acquisition, and resistance characterization across 64 temperature channels, 64 three-wire voltage channels, 64 two-wire resistance channels, and 32 four-wire

resistance channels. Low-thermal offset reed relays (< 2 µV) ensure measurement integrity in demanding applications. The module's dynamically configurable architecture, dual-bank organization, and integrated analog bus support enable seamless integration into existing VXIbus systems. Technical Specifications Module Type: Register-based VXIbus relay multiplexer, C-size form factor, 1-slot chassis requirement Switching Technology: Reed relays with low-thermal offset < 2 µV Channel Configuration: 64 thermocouple channels with automatic cold junction compensation; 64 three-wire voltage channels; 64 two-wire resistance channels; 32 four-wire resistance channels Scanning Rate: 333 channels/s (typical) Rated Load: 10^7 operations Reference Junction Accuracy: 0.38 °C (18–28 °C operating range) Terminal Block: QUIC spring clamp with quick connect screwless terminals; accepts 22–26 AWG wire (0.5, 0.75, 0.9 mm) Analog Bus Cable: 6 cm interconnect cable (E1400-61605) included Key Features Dual-bank architecture with independent voltage sense and current source control switches Three-wire and four-wire measurement support for precision resistance acquisition Analog bus access via front panel connectors for external voltmeter/multimeter integration Thermocouple temperature measurement with integrated cold junction compensation High-integrity signal routing with separate high, low, and guard connections per channel Typical Applications Multi-point thermocouple temperature monitoring High-channel-count voltage data acquisition Precision resistance characterization in production test Automated thermal and electrical parameter measurement systems Compatibility & Integration Designed for VXIbus modular instrumentation systems with standard register-based control interface. Supports analog bus communication for interconnection with other VXI devices and compatible multimeters. Note: Product is marked obsolete by Keysight; service and support continue through end of worldwide support life.

Features & description

From manufacturer datasheet

Features

- High-density reed mux (64-channel 3-wire class)

E1476A Characteristics / Specifications

PARAMETER	VALUE
Model	E1476A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI High Density Reed Relay Multiplexer
Alias	E1476A; HP E1476A
Channel Class	64-channel 3-wire reed multiplexer family
Relay Type	reed
VXI Size	C-size
Slot Count	1
Scan Mate	E1411A / E1412A VXI DMM
Terminal	QUIC screw terminal
Command Path	E1406A SCPI
Host	C-size VXI mainframe
Voltage Class	120 to 200 V class reed mux family (confirm sheet)
Current Class	reed carry/switch current per E1476A
Thermal	low thermal EMF for thermocouple scanning
Related E1460A	armature relay mux
Related E8462A	256-channel mux
Related E13	FET mux family
Wiring	3-wire (2-wire/1-wire jumper options per manual)
Cooling	VXI C-size airflow
Status	HP E1476A EOL
Switching Speed	reed operate/release
Path Resistance	closed reed resistance
Isolation	open-channel isolation
NotAMatrix	multiplexer not E1467/E1469 matrix

PARAMETER	VALUE
Software	SCPI ROUTe/SCAN
Power	VXI backplane coil supplies
Protection	do not exceed reed VA
Use	scanned analog to DMM Notes High-density reed mux identity from HP E1476A product literature (64-channel 3-wire class). Confirm exact topology volts and thermal EMF on the E1476A data sheet and the installed QUIC block.

E1476A Specifications

PARAMETER	VALUE
Applications	VXI scanned analog measurements; thermocouple and low-level DC mux to E1411A/E1412A; production multi-channel DC test.
Key Features	- High-density reed mux (64-channel 3-wire class)
Technical Specifications	Model: E1476A

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

PARAMETER	VALUE
Model	E1476A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI High Density Reed Relay Multiplexer

Specifications

PARAMETER	VALUE
Alias	E1476A; HP E1476A
Channel Class	64-channel 3-wire reed multiplexer family
Relay Type	reed

Specifications

PARAMETER	VALUE
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Slot Count	1
Scan Mate	E1411A / E1412A VXI DMM

Specifications

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Specifications

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PARAMETER	VALUE
Related E1460A	armature relay mux
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Wiring	3-wire (2-wire/1-wire jumper options per manual)
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Specifications

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Software	SCPI ROUTe/SCAN
Power	VXI backplane coil supplies

Protection: do not exceed reed VA

Use: scanned analog to DMM

Notes

High-density reed mux identity from HP E1476A product literature (64-channel 3-wire class). Confirm exact topology volts and thermal EMF on the E1476A data sheet and the installed QUIC block.

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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