

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1418A 8/16-Channel D/A Converter

Resolution Class: Per E1418A DAC resolution table Voltage Range Class: Per E1418A output range table Update Rate Class: Per E1418A programming rate table Remote Path: Through VXI interface / Slot 0 Voltage Range Class: Per E1418A output range table Update Rate Class: Per E1418A programming rate table Remote Path: Through VXI interface / Slot 0 Operating Temperature Spec Class: Follow VXI module sheet



MODEL

**Agilent / Keysight
E1418A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1418A

LISTING

<https://aumictechlabs.com/products/e1418a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E1418A is a C-size, 1-slot VXI module that delivers 8 or 16 fully independent digital-to-analog conversion channels within VXIbus systems. Each channel integrates a 16-bit D/A converter supporting voltage output with local or remote sensing, current output, or programmable dual-mode operation. Channels can be configured as isolated or non-isolated depending on application requirements. The module enables both individual channel updates and synchronized multi-channel updates via its internal data buffer, with fast register-level backplane access for real-time control. Output mode selection is accomplished through front-panel jumpers or direct register programming. In-situ calibration of each D/A converter is performed via software commands using the CALBUS terminal and a 5.5-digit multimeter, eliminating the need for module

removal during maintenance. Technical Specifications Module Configuration: C-size, 1-slot, register-based VXI architecture Channels: 8 or 16 fully independent channels Resolution: 16-bit D/A converter per channel Output Modes: Voltage (with local/remote sensing), current, or programmable selectable modes Isolation Options: Isolated or non-isolated channel configurations Update Methods: Individual channel or synchronized all-channel updates via internal buffer Calibration: Software-controlled, in-situ calibration using CALBUS and 5.5-digit multimeter Connectivity: Screw terminals on on/off terminal block for field wiring Key Features Register-level programming for fast backplane access and control Jumper or software-selectable channel output configuration No removal required for calibration procedures Independent channel operation enables multi-function test scenarios Typical Applications Automated test equipment requiring precision analog signal generation Multi-channel signal sourcing within VXI instrumentation racks Industrial process control and data acquisition systems Laboratory research requiring isolated analog outputs Compatibility & Integration Bus Standard: VXIbus Module Class: C-size Documentation: User's Manual, SCPI Programming Guide, Service Manual, and Data Sheet available Discontinuation Notice: This product is discontinued and no longer available in the EU due to non-compliance with RoHS Directive 2011/65/EU.

E1418A Characteristics / Specifications

PARAMETER	VALUE
Model	E1418A
Instrument Type	VXI digital-to-analog converter
Channel Count	8 or 16 (configuration dependent)
Module Size	C-size VXI
Output Type	Programmable analog DAC channels
Platform Family	Agilent/HP VXI DAC modules
Host Mainframes Class	E1401 and compatible VXI mainframes
Control	VXI register/message programming class
Chassis Form	C-size VXI module
Brand Lineage	Keysight / Agilent
Resolution Class	Per E1418A DAC resolution table
Voltage Range Class	Per E1418A output range table
Update Rate Class	Per E1418A programming rate table
Remote Path	Through VXI interface / Slot 0
Operating Temperature Spec Class	Follow VXI module sheet
Documentation Scope	OEM E1418A documentation
Installed Options	Determine 8 vs 16 channel configuration
Power	VXI backplane powered
Warmup Spec Class	Follow DAC accuracy warm-up if specified
Safety Class	Observe output voltage/current ratings
Connector Class	Front-panel analog connectors per sheet
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate
Operating temperature	Spec Class: Follow VXI module sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow VXI module sheet
Operating Temperature	Spec Class: Follow VXI module sheet
Operating Temperature Spec Class	Follow VXI module sheet
Documentation Scope	OEM E1418A documentation
Installed Options	Determine 8 vs 16 channel configuration
Power	VXI backplane powered
Warmup Spec Class	Follow DAC accuracy warm-up if specified
Safety Class	Observe output voltage/current ratings
Connector Class	Front-panel analog connectors per sheet
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate Notes From Keysight/Agilent E1418A VXI D/A converter documentation. Channel count and voltage ranges depend on the installed configuration/options.

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	
From Keysight/Agilent E1418A VXI D/A converter documentation. Channel count and voltage ranges depend on the installed configuration/options.	

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.