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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E2731A

The Agilent/HP E2731A isaC-size VXI instrument module used in Agilent VXI measurement systems. OEM Agilent E27xx VXI module catalogs describe message-based or register-based instrument functions for ATS. VXI automated test systems, modular instrumentation racks, and TPS migration on Agilent VXI chassis. Front Panel: instrument I/O connectors class Storage Temperature Class: minus 40 C to 70 C class Front Panel: instrument I/O connectors class Storage Temperature Class: minus 40 C to 70 C class MTBF Class: modular instrument MTBF class Identity rows from Agilent/HP E2731A VXI module catalog listings. Exact measurement function and ranges are on the E2731A module datasheet for the installed option.



MODEL

**Agilent / Keysight
E2731A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2731A

LISTING

<https://aumictechlabs.com/products/e2731a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E2731A is a VXI RF tuner module designed for integration into VXI chassis-based signal analysis and measurement systems. It is a critical component for RF signal acquisition and characterization, typically paired with analog-to-digital converters and vector signal analyzers to enable comprehensive test automation and instrument control across research, development, and production environments. Technical Specifications Module Type: Single-slot, C-size VXI module Frequency Range: 20 MHz to 6000 MHz Weight: Approximately 8.00 lbs Interface: VXI bus for chassis integration and inter-module communication Key Features Interfaces with dedicated ADC modules (such as the Agilent E1439A/B/D) for signal digitization

VXI bus communication enables remote programming and control via SCPI command sets
Compatible with vector signal analyzer systems and integrated signal development platforms
Supports automated test sequences and multi-instrument control within modular architectures
Typical Applications RF and microwave signal acquisition and analysis Real-time signal characterization in automated test systems Data acquisition for complex signal measurement campaigns Production and R&D testing requiring flexible, distributed measurement architectures
Compatibility & Integration The E2731A integrates into systems such as the Agilent E3238S Signals Development System and operates alongside the 89600 Vector Signal Analyzer Series. System deployment requires a VXI chassis with appropriate controller resources - minimum 1.5 GHz Pentium P4 processor and 512 MB memory; 3 GHz dual-core Pentium and 2 GB memory recommended for optimal performance. Programming support includes Visual Basic and VBScript implementations using standard SCPI protocol.

E2731A Characteristics / Specifications

PARAMETER	VALUE
Model	E2731A
Instrument Type	VXI instrument module
Bus Standard	VXI
Form Factor	C-size VXI
Brand Lineage	HP Agilent Keysight
Series Family	Agilent E27xx VXI
Control	VXI backplane
Operating Temperature Class	0 C to 55 C
Power Source	VXI backplane rails
Related Models	E2730A E2750A class
Use Case	modular ATS measurements
Slot Occupancy	1 VXI slot class
Cooling	VXI chassis airflow
Drivers	VXI plug and play class
Front Panel	instrument I/O connectors class
Humidity Class	noncondensing
Storage Temperature Class	minus 40 C to 70 C class
Altitude Class	standard lab
EMC Class	VXI module EMC class
MTBF Class	modular instrument MTBF class
Firmware	module firmware revision class
Local Bus	VXI local bus support class
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 55 C
Humidity	Class: noncondensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
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Operating Temperature Class	0 C to 55 C
Power Source	VXI backplane rails
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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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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.