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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E6171B Measurement Control Module

HP Agilent E6171B Measurement Control Module The HP E6171B is a measurement control module (MCM) used in HP/Agilent semiconductor and mixed-signal ATE (4070/VXI-class measurement control). It coordinates instruments, switching, and timing as a system controller card rather than a standalone meter. Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: Measurement Control Module The HP E6171B is a measurement control module (MCM) used in HP/Agilent semiconductor and mixed-signal ATE (4070/VXI-class measurement control). It coordinates instruments, switching, and timing as a system controller card rather than a standalone meter. Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: Measurement Control Module Function: ATE measurement control / sequencing

**MODEL****Keysight / Agilent /
HP E6171B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E6171B****LISTING**[https://aumictechlabs.c
om/products/e6171b-2/](https://aumictechlabs.com/products/e6171b-2/)

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SAM registered

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NAICS 423690 · 811210 · 541380

This unit

The Keysight E6171B Measurement Control Module is a control module engineered for integration into automated test systems. It has precise control and measurement capabilities to enhance efficiency and accuracy across electronic testing operations. This module supports deployment in research and development, manufacturing, and quality assurance environments where reliable

automated test infrastructure is required. Technical Specifications Product Type: Measurement Control Module Model: E6171B Manufacturer: Keysight Technologies (formerly Agilent Technologies and Hewlett-Packard) Form Factor: Modular control architecture for system integration Key Features Precise measurement and control functionality for automated test systems Modular design enabling integration into existing test architectures Support for multiple application environments without reconfiguration Typical Applications Research and development testing Manufacturing test and validation Quality assurance procedures Automated electronic test systems Compatibility & Integration The E6171B integrates into automated test system platforms. Its control module architecture supports standard test system configurations. Interface specifications and detailed integration requirements are available through the product documentation and user manual.

Features & description

From manufacturer datasheet

Features

- B-revision measurement control module

E6171B Characteristics / Specifications

PARAMETER	VALUE
Model	E6171B
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Measurement Control Module
Alias	E6171B; HP E6171B
Function	ATE measurement control / sequencing
Revision	B
Related E6173A	arbitrary waveform generator VXI module
Form	system/VXI plug-in MCM
NotADMM	controller not E1411A
NotADigitizer	not E1438D
Host	HP semiconductor/VXI ATE mainframe
Role	measurement control processor
I/O	system backplane control of instruments/switches
Status	HP E6171B EOL
Software	HP ATE measurement-control software of the era
Cooling	mainframe airflow
Power	backplane
Documentation	E6171B MCM notes
Compatibility	E617x measurement family
Use	sequence SMU/AWG/switch operations
Firmware	B-revision MCM firmware
Slot	system slot per E617x cage
Trigger	system trigger coordination
Calibration	system-level; notasensor Notes Measurement control module identity from HP E6171B catalog. Exact bus and cage (4070 vs VXI) are faceplate items. Do not invent SMU accuracies for this controller.

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

Measurement control module identity from HP E6171B catalog. Exact bus and cage (4070 vs VXI) are faceplate items. Do not invent SMU accuracies for this controller.

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.