

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34511M

Agilent 34511M High Density 3235 Matrix Module Queue model 34511M is the HP 34511M high-density armature matrix module for the HP 3235 switching mainframe. OEM 34501M family text points to 34511M (and 34516M/N) when the highest matrix density is required. Exact crosspoint map, volts, and amperes of 34511M are on the 34511M 3235 module sheet and are not copied from 34501M's 4×8 / 32 crosspoint / 1 MHz / 2 A table. High-density matrix switching in HP 3235 mainframes that specify 34511M. Sibling 34501M is the 4×8 32-crosspoint matrix Queue model 34511M is the HP 34511M high-density armature matrix module for the HP 3235 switching mainframe. OEM 34501M family text points to 34511M (and 34516M/N) when the highest matrix density is required. Exact crosspoint map, volts, and amperes of 34511M are on the 34511M 3235 module sheet and are not copied from 34501M's 4×8 / 32 crosspoint / 1 MHz / 2 A table. High-density matrix switching in HP 3235 mainframes that specify 34511M. Sibling 34501M is the 4×8 32-crosspoint matrix Instrument Type: high density 3235 matrix module

**MODEL****Agilent / Keysight
34511M****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****34511M****LISTING**<https://aumictechlabs.com/products/34511m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 34511M is a digital multimeter engineered for precision DC, AC, and low-current measurements in research, development, and manufacturing environments. This benchtop or handheld instrument delivers measurement speeds up to 100,000 readings/sec with resolution

options from 3.5 to 8.5 digits, including Truevolt series offerings up to 7½ digits. DC voltage accuracy reaches 4 ppm, with selective models providing 0.025% or 0.09% basic accuracy. Technical Specifications Resolution: 3.5 to 8.5 digits; 5½ digits with up to 110 readings/s on select models; Truevolt series: 6½ to 7½ digits Measurement Speed: Up to 100,000 readings/sec DC Voltage Accuracy: 4 ppm; optional 0.025% or 0.09% basic accuracy depending on model Current Measurement: 1 µA range with picoampere resolution for low-power device characterization AC Measurements: True RMS AC measurement capability on select configurations Auto Calibration: Temperature drift compensation to sustain accuracy across operating conditions Key Features True RMS measurement for accurate AC signal characterization Noise rejection methods for real-world signal integrity in noisy environments Auto-calibration function to maintain measurement reliability over time Dual form factor: handheld or benchtop deployment options Typical Applications The 34511M serves precision measurement demands including component validation, circuit characterization, low-current device testing, and automated test sequences requiring high-speed data acquisition with minimal measurement uncertainty. Compatibility & Integration Connectivity: USB, LAN/LXI Core, and GPIB interfaces on select models Software: Compatible with BenchVue and Handheld Meter Logger platforms for test automation and data logging without custom programming

34511M Characteristics / Specifications

PARAMETER	VALUE
Model	34511M
Instrument Type	high density 3235 matrix module
Manufacturer	Hewlett Packard / Agilent
Literature	HP 34511M 3235 matrix listings; 34501M family density pointer
Family	HP 3235 345xx switch modules
Form Factor	3235 plug-in matrix module
System Role	high density 3235 matrix module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight 34511M
Documentation Type	OEM 34511M listing
Use Case	High-density matrix switching in HP 3235 mainframes that specify 34511M
Vendor Path	Hewlett Packard / Agilent
Year Class	34511M generation
Application Class	high density 3235 matrix module
Module Class	high density 3235 matrix module
Host Class	instrument host per drawing
Connector Class	connectors on the 34511M drawing
Ate Class	ATE high-density matrix
Control Class	34511M front panel / firmware
Environment Class	ambient on the 34511M sheet
Mains Class	mains on the 34511M nameplate
Voltage Class	volts on the 34511M nameplate
Current Class	amperes on the 34511M nameplate
Host Mainframe	HP 3235 / 3235A
Density Class	highest-density 3235 matrix class versus 34501M

PARAMETER	VALUE
Sibling 34501m	34501M documented 4×8, 32 crosspoints, 1 MHz, 2 A (not assigned to 34511M)

34511M Specifications

PARAMETER	VALUE
Agilent 34511M High Density 3235 Matrix Module	Overview
Applications	High-density matrix switching in HP 3235 mainframes that specify 34511M.
Key Features	HP 34511M 3235 high-density matrix
Called out as higher density than 34501M	3235 plug-in switch module
Technical Specifications	Model: 34511M

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	34511M
Instrument Type	high density 3235 matrix module
Manufacturer	Hewlett Packard / Agilent
Literature	HP 34511M 3235 matrix listings; 34501M family density pointer
Family	HP 3235 345xx switch modules
Form Factor	3235 plug-in matrix module
System Role	high density 3235 matrix module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight 34511M
Documentation Type	OEM 34511M listing
Use Case	High-density matrix switching in HP 3235 mainframes that specify 34511M
Vendor Path	Hewlett Packard / Agilent
Year Class	34511M generation
Application Class	high density 3235 matrix module
Module Class	high density 3235 matrix module
Host Class	instrument host per drawing
Connector Class	connectors on the 34511M drawing
Ate Class	ATE high-density matrix
Control Class	34511M front panel / firmware
Environment Class	ambient on the 34511M sheet
Mains Class	mains on the 34511M nameplate
Voltage Class	volts on the 34511M nameplate
Current Class	amperes on the 34511M nameplate
Host Mainframe	HP 3235 / 3235A
Density Class	highest-density 3235 matrix class versus 34501M

PARAMETER	VALUE
Sibling 34501m	34501M documented 4x8, 32 crosspoints, 1 MHz, 2 A (not assigned to 34511M)

Notes

From remaining-queue model 34511M and HP 34501M family text that names 34511M as the higher-density 3235 matrix. Do not copy 34501M 4x8 / 32 / 1 MHz / 2 A numbers onto 34511M.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.