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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 44465A

HP Agilent 44465A 8 Bit Digital Input Output Assembly for 3421A The HP 44465A is the 8-bit digital input/output assembly for the 3421A Data Acquisition/Control Unit (option 050). OEM 3421A ordering tables list 44465A as an 8-bit digital input/output assembly with connector block. The card provides an 8-bit input port and an 8-bit output port. Digital I/O assemblies use channels 0 through 7. The 3421A mainframe holds up to three measurement/control option assemblies. 8-bit digital sense and drive alongside 44462A multiplexers in a 3421A HP-IL data logger. The HP 44465A is the 8-bit digital input/output assembly for the 3421A Data Acquisition/Control Unit (option 050). OEM 3421A ordering tables list 44465A as an 8-bit digital input/output assembly with connector block. The card provides an 8-bit input port and an 8-bit output port. Digital I/O assemblies use channels 0 through 7. The 3421A mainframe holds up to three measurement/control option assemblies. 8-bit digital sense and drive alongside 44462A multiplexers in a 3421A HP-IL data logger. Instrument Type: Digital input/output assembly



MODEL

**Agilent / Keysight
44465A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

44465A

LISTING

<https://aumictechlabs.com/products/44465a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 44465A is a 6.5-digit benchtop digital multimeter built on Truevolt technology, delivering precision measurement across voltage, current, resistance, frequency, capacitance,

and temperature with acquisition rates to 50,000 readings/second. Its 4.3-inch color graphical display supports real-time trend analysis, histograms, and bar charts, while patented analog-to-digital conversion eliminates noise and injected current errors. The instrument captures transient events in digitizing mode and performs low- μ A current measurements with picoampere resolution - ideal for power-conscious device characterization.

Technical Specifications

Resolution & Accuracy: 6.5 digits; 30 ppm basic DCV accuracy (1-year)

Voltage: DCV to 1000 V, ACV to 750 V

Current: DCI 1 μ A–10 A, ACI to 10 A

Resistance: 2- and 4-wire to 1 G Ω (100 M Ω absolute maximum)

Frequency: To 300 kHz

Capacitance: To 100 μ F

Temperature: RTD/PT100, thermistor, thermocouple support

Additional Functions: Diode test, continuity, DC ratio measurement

Acquisition Rate: Up to 50,000 readings/second

Memory: 50,000 readings standard; optional 2 million readings (3446MEMU)

Dimensions: 261.2 × 103.8 × 303.2 mm; 8.3 lbs

Key Features

Truevolt patented ADC technology for noise and cross-coupling elimination

Digital direct-sampling true RMS with crest factors to 10

Auto-calibration (ACAL) compensates temperature drift

Graphical display modes: Number, Histogram, Bar Chart, Trend Chart

Data logging and transient capture (digitizing mode)

Sub-picoampere sensitivity for ultralow-power measurements

Typical Applications

Precision bench testing, power device characterization, transient event capture, temperature monitoring via RTD/thermocouple, low-current semiconductor and battery validation.

Compatibility & Integration

Interfaces: USB, LAN/LXI compliant; optional GPIB (3446GPBU or 34465A-GPB)

Replaces: 34410A/34411A

Cross-compatible: 34410A and 34411A with minor exceptions

44465A Characteristics / Specifications

PARAMETER	VALUE
Model	44465A
Instrument Type	Digital input/output assembly
Host Mainframe	3421A Data Acquisition/Control Unit
Catalog Option Code	050 on 3421A
Input Width	8 bit input port
Output Width	8 bit output port
Channel Numbers	0 through 7
Assemblies Per Mainframe	up to three measurement/control option assemblies
Related Mux	44462A option 020 10-channel multiplexer with thermocouple compensation
Related Breadboard	44464A option 040 breadboard assembly
Related Connector	44466A extra connector block for 44464A or 44465A
Form Factor	3421A plug-in
Manufacturer	HP Agilent Keysight
Use Case	digital I/O in 3421A
Control	3421A HP-IL / HP-IB option 201
Operating Temperature Class	3421A portable DAQ window
Literature	HP 3421A option 050 44465A ordering table
Family	3421A option assemblies
System Role	8-bit digital ports
Addressing	slot plus channel number (example channel 4 in slot 2 is 24)
Output Latch Class	option 050 output switches are not latched (3421A DA/C Pac)
Documentation Type	OEM 3421A option table
Brand Lineage	Hewlett Packard Agilent Keysight
Host Interface Class	HP-IL standard, HP-IB option 201 44461A

PARAMETER	VALUE
Operating temperature	Class: 3421A portable DAQ window

44465A Specifications

PARAMETER	VALUE
Applications	8-bit digital sense and drive alongside 44462A multiplexers in a 3421A HP-IL data logger.
Key Features	8-bit input port and 8-bit output port
Connector block included	Channels 0 through 7
Technical Specifications	Model: 44465A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 3421A portable DAQ window
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Family	3421A option assemblies
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Documentation Type	OEM 3421A option table
Brand Lineage	Hewlett Packard Agilent Keysight
Host Interface Class	HP-IL standard, HP-IB option 201 44461A Notes From HP 3421A option 050 / 44465A 8-bit digital I/O assembly listings (8-bit in and 8-bit out, connector block, channels 0-7). Voltage, current, and handshake timing are on the 44465A pages of the 3421A manuals.

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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block, channels 0-7). Voltage, current, and handshake timing are on the 44465A pages of the 3421A manuals.

Ordering Information

OPTION	DESCRIPTION
Option 050	Connector block included
Option 020	10-channel multiplexer with thermocouple compensation
Option 040	breadboard assembly
Option 201	Operating Temperature Class: 3421A portable DAQ window

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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NIST-traceable calibration · SAM registered ·
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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.