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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U4972A

Keysight U4972A DDR4 DRAM Memory Protocol Solution Bundle U4164A AXIe The Keysight U4972A is the DDR4 DRAM protocol bundle using U4164A in an M9502A AXIe chassis with M9537A controller. OEM Memory Protocol Solution Bundles data sheet lists U4972A DDR4 DRAM Bundle with U4206A probing and B4661A DDR analysis licenses on the same U4164A 136-channel analyzer platform as U4970A/U4971A. DDR4 DRAM protocol debug, listing decode, and compliance validation. Instrument Type: DDR4 DRAM memory protocol solution bundle The Keysight U4972A is the DDR4 DRAM protocol bundle using U4164A in an M9502A AXIe chassis with M9537A controller. OEM Memory Protocol Solution Bundles data sheet lists U4972A DDR4 DRAM Bundle with U4206A probing and B4661A DDR analysis licenses on the same U4164A 136-channel analyzer platform as U4970A/U4971A. DDR4 DRAM protocol debug, listing decode, and compliance validation. Instrument Type: DDR4 DRAM memory protocol solution bundle Controller: M9537A AXIe embedded controller



MODEL

**Agilent / Keysight
U4972A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U4972A

LISTING

<https://aumictechlabs.com/products/u4972a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U4972A is a discontinued DDR4 DRAM debug, compliance validation, and analysis solution. This bundle integrates logic analyzer modules, AXIe chassis, embedded controller, memory analysis software, and specialized DDR4 probing hardware into a systemized platform for in-depth protocol characterization. The solution supports substantial channel counts and memory

depth, enabling detailed DDR4 signal acquisition and validation workflows. Technical Specifications Logic analyzer modules: Three U4164A units with options for 4 GT/s maximum speed (U4164A-02G) or 8 Mb memory depth (U4164A-008) Probe channels: 34-channel soft touch pro direct connect capability Memory interposer: W4643A-004 DDR4 ×4/x8 BGA, 78-ball, 2-wing (qty. 4) Probe/cables: U4208A and U4209A, 61-pin ZIF connectors, 160-pin direct connection to logic analyzer (qty. 2 each) Chassis: M9505A AXIe 2-slot with embedded system module (ESM) USB option Controller: M9537A AXIe embedded controller with keyboard, mouse, and Windows 10 option Software: B4661A memory analysis with licensed options B4661A-1FP through B4661A-4FP (node-locked, perpetual) Key Features Multi-module logic analyzer configuration for parallel DDR4 bus acquisition Direct BGA interposer probing architecture supporting x4 and x8 DRAM configurations Dedicated memory protocol analysis software with configurable licensing tiers Integrated AXIe platform with embedded Windows 10 controller Dual-wing probe topology enabling simultaneous access to left and right signal wings Warranty & Licensing Extended KeysightCare warranty: 3 years for U4164A, M9505A, and M9537A Standard warranty: 1 year for accessories and remaining components Software licenses: Node-locked, perpetual use model User-supplied monitor and video cable required Typical Applications DDR4 DRAM protocol validation and compliance testing Memory subsystem debug and signal characterization High-speed digital bus analysis and timing validation

U4972A Characteristics / Specifications

PARAMETER	VALUE
Model	U4972A
Instrument Type	DDR4 DRAM memory protocol solution bundle
Logic Analyzer	U4164A 136 channel
Timing Zoom	12.5 GHz
Base Timing	5 GHz
Base State	350 MHz
Base Memory Depth	2 Mb
Chassis	M9502A AXIe 2-slot
Controller	M9537A AXIe embedded controller
Memory Software	B4661A
Ddr Decoder Class	B4661A-1FP DDR/2/3/4 listing
Related Ddr5 Bundle	U4970A
Related Lpddr5 Bundle	U4971A
Probe Class	U4206A 34 channel Soft Touch Pro
Form Factor	AXIe modular system
Target Technology	DDR4 DRAM
Software License Type	node locked perpetual
User Supplied	monitor and video cable
Manufacturer	Keysight
State Speed Option Class	4 GT/s with U4164A-02G
Literature	Memory Protocol Solution Bundles data sheet
Brand Lineage	Hewlett Packard Agilent Keysight

U4972A Specifications

PARAMETER	VALUE
Applications	DDR4 DRAM protocol debug, listing decode, and compliance validation.
Key Features	DDR4 DRAM-focused bundle
M9537A controller	U4206A Soft Touch Pro probing class
Technical Specifications	Model: U4972A
Notes	From Keysight Memory Protocol Solution Bundles data sheet U4972A DDR4 DRAM Bundle. Option depth (008 vs 400 Mb) is order-dependent.

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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Logic Analyzer	U4164A 136 channel
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Chassis	M9502A AXIe 2-slot
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Memory Software	B4661A
Ddr Decoder Class	B4661A-1FP DDR/2/3/4 listing
Related Ddr5 Bundle	U4970A
Related Lpddr5 Bundle	U4971A
Probe Class	U4206A 34 channel Soft Touch Pro
Form Factor	AXIe modular system
Target Technology	DDR4 DRAM
Software License Type	node locked perpetual
User Supplied	monitor and video cable
Manufacturer	Keysight
State Speed Option Class	4 GT/s with U4164A-02G
Literature	Memory Protocol Solution Bundles data sheet
Brand Lineage	Hewlett Packard Agilent Keysight
Notes	
From Keysight Memory Protocol Solution Bundles data sheet U4972A DDR4 DRAM Bundle. Option depth (008 vs 400 Mb) is order-dependent.	

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>

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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.