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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U4971A

Keysight U4971A LPDDR5 Memory Protocol Solution Bundle U4164A AXIe The Keysight U4971A is the LPDDR5 protocol debug and compliance bundle using U4164A, M9502A AXIe chassis, and M9537A controller. OEM Memory Protocol Solution Bundles data sheet lists U4971A as the LPDDR5 bundle with B4661A LPDDR listing/compliance options and the same U4164A 136-channel 12.5 GHz TZ / 5 GHz timing / 350 MHz base analyzer as U4970A. LPDDR/LPDDR2/LPDDR3/LPDDR4/LPDDR5 protocol listing, compliance, and analysis. Instrument Type: LPDDR5 memory protocol solution bundle The Keysight U4971A is the LPDDR5 protocol debug and compliance bundle using U4164A, M9502A AXIe chassis, and M9537A controller. OEM Memory Protocol Solution Bundles data sheet lists U4971A as the LPDDR5 bundle with B4661A LPDDR listing/compliance options and the same U4164A 136-channel 12.5 GHz TZ / 5 GHz timing / 350 MHz base analyzer as U4970A. LPDDR/LPDDR2/LPDDR3/LPDDR4/LPDDR5 protocol listing, compliance, and analysis. Instrument Type: LPDDR5 memory protocol solution bundle Controller: M9537A AXIe embedded controller



MODEL

**Agilent / Keysight
U4971A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U4971A

LISTING

<https://aumictechlabs.com/products/u4971a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight U4971A is a specialized debugging and analysis system for LPDDR memory protocol validation across generations LPDDR through LPDDR5. This discontinued bundle

integrates modular hardware, probing instruments, and software applications into a cohesive AXIe-based platform for compliance testing and signal characterization. The system combines a U4164A logic analyzer module, M9502A AXIe 2-slot chassis, and M9537A embedded controller running Windows 10, paired with a comprehensive probing bundle including 34-channel direct-connect probes, differential and single-ended flying leads, and retention modules.

Technical Specifications

Logic Analyzer Module: U4164A base unit with optional performance upgrades

U4164A-02G: Extends maximum acquisition speed to 4 GT/s

U4164A-400: Expands maximum memory depth to 400 Mb

Chassis & Control: M9502A AXIe 2-slot chassis with embedded system module (ESM) USB option M9537A AXIe High Performance Embedded Controller with integrated keyboard and mouse

Probing Bundle: U4206A: 34-channel Soft Touch Pro direct connect probe, 4 × 160-pin configuration

U4201A: Logic analyzer cables (quantity 4)

E5381B differential flying leads

E5382B single-ended flying leads

E5406A Pro Series Soft Touch Connectorless Probe

E5403A: Kit of 5 retention modules for Soft Touch Pro probes

Protocol Support: LPDDR, LPDDR2, LPDDR3, LPDDR4, LPDDR5

Key Features

- Node-locked perpetual software application licenses
- 3-year KeysightCare extended warranty on U4164A, M9502A, and M9537A
- 1-year warranty on all remaining hardware and accessories

AXIe modular architecture for expandability

Typical Applications

- LPDDR protocol debug and compliance validation
- Memory interface signal analysis and characterization
- Multi-generation LPDDR device validation workflows

Compatibility & Integration

Users must supply external monitor and video cable. Software licenses are node-locked to the M9537A controller. This product is not available in EU markets due to non-compliance with EU RoHS directive 2011/65/EU and amendments. The system is discontinued.

U4971A Characteristics / Specifications

PARAMETER	VALUE
Model	U4971A
Instrument Type	LPDDR5 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
Lpdr5 Decoder Class	B4661A-2FP LPDDR/2/3/4 listing
Lpdr5 Analysis Class	LPDDR5 analysis and compliance validation license
Related Ddr5 Bundle	U4970A
Related Ddr4 Bundle	U4972A
Probe Class	U4206A 34 channel Soft Touch Pro
Form Factor	AXIe modular system
Target Technologies	LPDDR LPDDR2 LPDDR3 LPDDR4 LPDDR5
Software License Type	node locked perpetual
User Supplied	monitor and video cable
Manufacturer	Keysight
State Speed Option Class	4 GT/s with U4164A-02G
Brand Lineage	Hewlett Packard Agilent Keysight

U4971A Specifications

PARAMETER	VALUE
Applications	LPDDR/LPDDR2/LPDDR3/LPDDR4/LPDDR5 protocol listing, compliance, and analysis.
Key Features	LPDDR5-focused systemized bundle
M9537A embedded controller	B4661A LPDDR analysis licenses
Technical Specifications	Model: U4971A

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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PARAMETER	VALUE
Model	U4971A
Instrument Type	LPDDR5 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
Lpddr Decoder Class	B4661A-2FP LPDDR/2/3/4 listing
Lpddr5 Analysis Class	LPDDR5 analysis and compliance validation license
Related Ddr5 Bundle	U4970A
Related Ddr4 Bundle	U4972A
Probe Class	U4206A 34 channel Soft Touch Pro
Form Factor	AXIe modular system
Target Technologies	LPDDR LPDDR2 LPDDR3 LPDDR4 LPDDR5
Software License Type	node locked perpetual
User Supplied	monitor and video cable
Manufacturer	Keysight
State Speed Option Class	4 GT/s with U4164A-02G
Brand Lineage	Hewlett Packard Agilent Keysight
Notes	
From Keysight Memory Protocol Solution Bundles data sheet U4971A LPDDR5 Bundle table. Confirm installed B4661A option letters on the controller license list.	

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 ·
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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.