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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight U9405B

The Keysight U9405B isaMini ICT family configuration on the U9403A Mini In-Circuit Tester platform. OEM 5992-1367EN Mini ICT ratings (512 nodes, 256 digital channels, VTEP 2.0, 2 MPS, 100 V, 200 MHz) apply to U9405B-labeled systems. Manufacturing ICT with Mini ICT digital/analog/boundary-scan resources inaU9405B configuration. Instrument Type: Mini in-circuit test system configuration Maximum Digital Channels: 256 driver/receiver Manufacturing ICT with Mini ICT digital/analog/boundary-scan resources inaU9405B configuration. Instrument Type: Mini in-circuit test system configuration Maximum Digital Channels: 256 driver/receiver Analog Voltage Measurement: 100 V maximum



MODEL

**Agilent / Keysight  
U9405B**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**U9405B**

LISTING

<https://aumictechlabs.com/products/u9405b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Agilent/Keysight U9405B Flexicore i1000 is an automated inline parallel ICT system engineered for high-throughput manufacturing test environments. This complete test system delivers up to 2,560 nodes with true 4-up parallel testing capability, supporting heterogeneous board configurations across 2, 3, or 4 modules simultaneously. The 850 mm width form factor integrates solid mechanical handling with press-down fixture actuation optimized for production efficiency. Technical Specifications System Type: Automated handler with complete test system form factor Maximum Node Count: 2,560 nodes Parallel Testing: True 4-up capability with support

for 2, 3, or 4 parallel modules System Width: 850 mm Fixture Actuation: Press down Press Mechanism: Pneumatic dual-stage with 1 mm accuracy Key Features Programmable conveyor width adjustment for flexible board accommodation High clearance design on upper and lower surfaces for long connector pins Board alignment verification with protective engagement mechanism SMEA compatibility with pass/fail signaling for downstream integration Per-pin programmable digital cards with graphical user interfaces for rapid program development Mixed signal test mode supporting digital-to-analog and analog-to-digital strategies Pin drive test mode for selective digital resource control independent of test libraries Cover Extend Technology (CET) support with NanoVTEP MUX card for enhanced coverage Multi-core processing for optimized parallel test execution Fast changeover with automatic hardware configuration switching Increased system depth (200 mm beyond previous generation) with built-in instrument rack Test Capabilities Flexible configuration enables ICT, functional test, or combined ICT/functional operation. System supports inline or offline deployment with protection of existing fixtures and programs. Reconfigurable active modules maximize productivity while maintaining small production footprint. Compatibility & Integration into existing production lines with configurable inline or offline operation. Existing fixtures and test programs remain protected during integration.

# U9405B Characteristics / Specifications

| PARAMETER                  | VALUE                                        |
|----------------------------|----------------------------------------------|
| Model                      | U9405B                                       |
| Instrument Type            | Mini in-circuit test system configuration    |
| Platform                   | U9403A Mini ICT                              |
| Maximum Node Count         | 512                                          |
| Maximum Digital Channels   | 256 driver/receiver                          |
| Digital Multiplexing       | 1:1 un-muxed                                 |
| Per Pin Receiver Range     | 0 to 4.85 V                                  |
| Per Pin Driver Range       | 0 to 5 V                                     |
| Max Sink Current Peak      | 500 mA                                       |
| Max Source Current Peak    | 500 mA                                       |
| Pattern Rate Maximum       | 2 MPS                                        |
| Vector Cycle Resolution    | 50 ns                                        |
| Receive Delay Resolution   | 10 ns                                        |
| Analog Voltage Measurement | 100 V maximum                                |
| Frequency Measurement      | 200 MHz                                      |
| Vtep                       | version 2.0                                  |
| Boundary Scan              | native with interconnect                     |
| On Board Programming       | yes                                          |
| Scpi Support               | yes                                          |
| Dimensions                 | 630 mmLx 482.7 mmWx 222.5 mmHRack Height: 5U |
| Related Configuration      | U9405A                                       |
| Literature                 | 5992-1367EN                                  |

# U9405B Specifications

| PARAMETER                | VALUE                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Applications             | Manufacturing ICT with Mini ICT digital/analog/boundary-scan resources in a U9405B configuration. |
| Key Features             | U9403A Mini ICT platform                                                                          |
| SCPI                     | 5U rack                                                                                           |
| Technical Specifications | Model: U9405B                                                                                     |

# 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             |                                           |
|----------------------------|-------------------------------------------|
| Technical Specifications   |                                           |
| PARAMETER                  | VALUE                                     |
| Model                      | U9405B                                    |
| Instrument Type            | Mini in-circuit test system configuration |
| Platform                   | U9403A Mini ICT                           |
| Maximum Node Count         | 512                                       |
| Maximum Digital Channels   | 256 driver/receiver                       |
| Digital Multiplexing       | 1:1 un-muxed                              |
| Per Pin Receiver Range     | 0 to 4.85 V                               |
| Per Pin Driver Range       | 0 to 5 V                                  |
| Max Sink Current Peak      | 500 mA                                    |
| Max Source Current Peak    | 500 mA                                    |
| Pattern Rate Maximum       | 2 MPS                                     |
| Vector Cycle Resolution    | 50 ns                                     |
| Receive Delay Resolution   | 10 ns                                     |
| Analog Voltage Measurement | 100 V maximum                             |
| Frequency Measurement      | 200 MHz                                   |
| Vtep                       | version 2.0                               |
| Boundary Scan              | native with interconnect                  |
| On Board Programming       | yes                                       |
| Scpi Support               | yes                                       |
| Dimensions                 | 630 mm L x 482.7 mm W x 222.5 mm H        |
| Rack Height                | 5U                                        |
| Related Configuration      | U9405A                                    |
| Literature                 | 5992-1367EN                               |
| Specifications             |                                           |

| PARAMETER                  | VALUE                                        |
|----------------------------|----------------------------------------------|
| Model                      | U9405B                                       |
| Instrument Type            | Mini in-circuit test system configuration    |
| Platform                   | U9403A Mini ICT                              |
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| Digital Multiplexing       | 1:1 un-muxed                                 |
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| Receive Delay Resolution   | 10 ns                                        |
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| Frequency Measurement      | 200 MHz                                      |
| Vtep                       | version 2.0                                  |
| Boundary Scan              | native with interconnect                     |
| On Board Programming       | yes                                          |
| Scpi Support               | yes                                          |
| Dimensions                 | 630 mmLx 482.7 mmWx 222.5 mmHRack Height: 5U |
| Related Configuration      | U9405A                                       |
| Literature                 | 5992-1367EN                                  |

#### Notes

Platform numeric rows from Keysight U9403A Mini ICT data sheet 5992-1367EN applied to U9405B asaMini ICT configuration. Confirm card population on the installed system.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto: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.