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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U9405A

Keysight U9405A Mini In-Circuit Test System Family Configuration The Keysight U9405A isaMini ICT family configuration in the U9403A Mini In-Circuit Tester platform. OEM U9403A Mini ICT data sheet 5992-1367EN defines the shared 5U rack ICT ratings used by U9405 configurations: 512 nodes, 256 digital channels, VTEP 2.0, 2 MPS, 100 V analog, 200 MHz frequency measurement. Rack-mount in-circuit analog/digital/boundary-scan test using Mini ICT hardware inaU9405A-labeled configuration. Instrument Type: Mini in-circuit test system configuration The Keysight U9405A isaMini ICT family configuration in the U9403A Mini In-Circuit Tester platform. OEM U9403A Mini ICT data sheet 5992-1367EN defines the shared 5U rack ICT ratings used by U9405 configurations: 512 nodes, 256 digital channels, VTEP 2.0, 2 MPS, 100 V analog, 200 MHz frequency measurement. Rack-mount in-circuit analog/digital/boundary-scan test using Mini ICT hardware inaU9405A-labeled configuration. Instrument Type: Mini in-circuit test system configuration Maximum Digital Channels: 256 driver/receiver



MODEL

**Agilent / Keysight
U9405A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U9405A

LISTING

<https://aumictechlabs.com/products/u9405a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U9405A is a compact in-circuit test (ICT) system for PCBA manufacturing, delivering the smallest inline automated footprint at 850 mm width. This Medalist i1000D platform

supports both offline and inline configurations on a single hardware base, enabling efficient test program reuse and fixture investment protection across deployment modes. The U9405A accommodates PCBs from 50 mm × 50 mm to 430 mm × 300 mm with thickness ranging from 0.5 mm to 4.0 mm, and provides up to 1664 nodes or 512 nodes in Mini ICT specification. Technical Specifications Node Capacity: 1664 nodes standard; 512 nodes (Mini ICT) Footprint: 850 mm width (smallest inline automated ICT) PCB Dimensions: 50–430 mm × 50–300 mm PCB Thickness: 0.5–4.0 mm Component Clearance: 100 mm top; 40 mm bottom Guide Holes: 2–4 mm diameter, minimum 10 mm from center Fixture Actuation: Press down with automatic engagement Conveyor Belt Width: 3.0 mm Conveyor Height: 895–1,000 mm Board Markers: Up to 7 Power Supply: 200–240 V AC, 50/60 Hz Air Pressure: 6–8 kg/cm² Conveying Direction: Left to right or right to left Key Features Boundary Scan, Cover-Extend Technology (CET), and Vectorless Test Extended Performance (VTEP 2.0) digital test capabilities Configurable offline and inline operation on shared platform SMEMA interface for integrated inline automation Auto Debug fine-tunes tests for production-ready results Statistical measures including CPK analysis Typical Applications Inline and offline PCBA manufacturing test; contract manufacturing; high-volume electronics assembly requiring space-constrained test integration. Compatibility & Integration SCPI command support USB 2.0 interface (TMC-488.2 compliant) IVI-COM and LabVIEW drivers included External power supply support Test programs and fixtures developed offline transfer directly to inline deployment

U9405A Characteristics / Specifications

PARAMETER	VALUE
Model	U9405A
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
Digital Libraries	Keysight VCL/PCF
Literature	5992-1367EN

U9405A Specifications

PARAMETER	VALUE
Applications	Rack-mount in-circuit analog/digital/boundary-scan test using Mini ICT hardware in a U9405A-labeled configuration.
Key Features	U9403A Mini ICT platform ratings
SCPI control	5U 19-inch rack
Technical Specifications	Model: U9405A

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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Notes

Platform numeric rows from Keysight U9403A Mini ICT data sheet 5992-1367EN. U9405A isaMini ICT configuration on that platform; installed analog/digital card population is on the system configuration 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

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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.