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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E5092A Configurable Multiport Test Set

Keysight / Agilent E5092A Configurable Multiport Test Set The Keysight/Agilent E5092A is a configurable multiport test set used with ENA Series network analyzers to expand beyond the analyzer's native port count for multiport device characterization. OEM ENA accessory literature positions the E5092A for flexible switch-matrix style multiport S-parameter measurements when paired with compatible ENA analyzers such as the E5070B/E5071B/E5071C family. Multiport filter and coupler test, balanced/differential device characterization with external test set, and production multiport S-parameter measurements. The Keysight/Agilent E5092A is a configurable multiport test set used with ENA Series network analyzers to expand beyond the analyzer's native port count for multiport device characterization. OEM ENA accessory literature positions the E5092A for flexible switch-matrix style multiport S-parameter measurements when paired with compatible ENA analyzers such as the E5070B/E5071B/E5071C family. Multiport filter and coupler test, balanced/differential device characterization with external test set, and production multiport S-parameter measurements.



MODEL

**Agilent / Keysight
E5092A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5092A

LISTING

<https://aumictechlabs.com/products/e5092a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E5092A Configurable Multiport Test Set is a modular instrument that extends the port count of 4-port ENA Network Analyzers to enable comprehensive testing of multiport devices. It delivers full crossbar measurement capability up to 10 ports and maximum measurement capability to 22 ports, operating across 50 MHz to 20 GHz. The test set supports detailed characterization of cellular front-end modules, WLAN devices, and general-purpose multiport components in R&D and manufacturing environments.

Technical Specifications

Frequency range: 50 MHz to 20 GHz
Port capability: Up to 10-port full crossbar measurement; maximum 22-port measurement
Configurable switch matrix with selectable port routing
LED indicators display selected output port for each internal switch
Temperature control function for measurement stability
Internal DC sources for active multiport device control
Extremely fast switching speed optimized for ENA operation

Key Features

Semi-rigid cables and adaptors supplied as standard; optional high-stability variants available
Flexible configuration enabling application-specific switch matrix customization
USB connection to ENA (rear panel)
Optional rack mount kit, front handle kit, and combined rack mount with handle

Typical Applications

Cellular handset front-end module (FEM) testing
WLAN device characterization
Multiport component validation in development and production

Compatibility & Integration

Compatible with ENA Network Analyzers: E5070B, E5071B, E5071C, E5080A, E5080B
Measurement Wizard Assistant (MWA) software integration (E5080A-790, E5071C-790, E5070B/71B-790) simplifies multiport test setup and increases efficiency
Automated Measurement Expert (AMX) software provides interactive GUI for multiport DUT test plan development and test sequence generation

E5092A Characteristics / Specifications

PARAMETER	VALUE
Model	E5092A
Instrument Type	Configurable multiport test set
Host Family	ENA Series network analyzers
Primary Use	Multiport S-parameter expansion
Compatible Analyzers Class	E5070B/E5071B/E5071C class ENA hosts
Measurement Role	Switched multiport path for S-parameters
Calibration Support	Multiport calibration with host ENA
Port Expansion	Beyond native 2/3/4-port ENA configurations
Control Path	Host analyzer remote interfaces
Rf Path Architecture	Configurable switched test-set matrix
Frequency Coverage	Follows paired ENA host frequency options
Safety Class	Observe published maximum ratings
Chassis Form	Benchtop/rack multiport test set
Brand Lineage	Keysight / Agilent
Related Test Set	E5091A multiport test set family
Interfaces Class	Controlled through host ENA GPIB/LAN/USB
Power Class	AC powered accessory class
Operating Temperature Spec Class	Follow host ENA system sheet
Documentation Scope	OEM ENA multiport test set documentation
Installed Options	Determine port count and connector configuration
Warmup Spec Class	Follow host analyzer warm-up for warranted S-params
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate
Operating temperature	Spec Class: Follow host ENA system sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow host ENA system sheet
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Warmup Spec Class	Follow host analyzer warm-up for warranted S-params
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate Notes From Keysight/Agilent ENA Series multiport test set documentation for E5092A. Exact port counts, connectors, and frequency limits depend on the paired ENA and installed E5092A configuration.

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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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.