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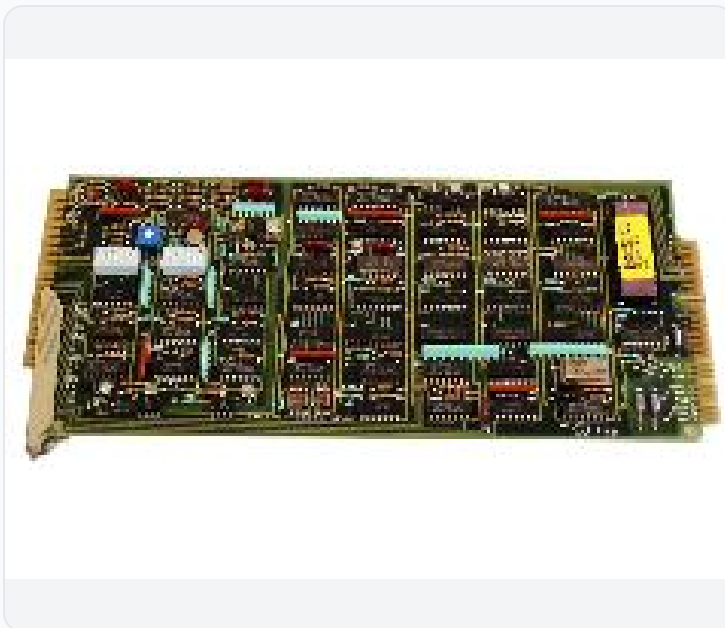
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 69791A - High Speed Memory Card

The HP 69791A is a high-speed memory plug-in for 6940B/6942A/69501A multiprogrammers. OEM 69700-series card data list high-speed data memory for buffered digital patterns or captured input streams in 6940-based ATE, programmed through the mainframe HP-IB. Buffering high-speed digital patterns or captures in 6940 multiprogrammer systems. Mechanical Package: multiprogrammer plug-in card Documentation: HP 69791A high-speed memory card data Buffering high-speed digital patterns or captures in 6940 multiprogrammer systems. Mechanical Package: multiprogrammer plug-in card Documentation: HP 69791A high-speed memory card data Application Class: ATE pattern buffer and capture



MODEL

**Agilent / Keysight
69791A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

69791A

LISTING

<https://aumictechlabs.com/products/69791a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 69791A is a high-speed memory card that extends onboard data storage capacity for compatible Agilent/Keysight instruments. Designed primarily for the 694x series, this memory module stores measurement data, test results, and configuration parameters, capture and manage large datasets without the constraints of standard instrument memory. The card facilitates efficient data logging and retrieval across research, manufacturing, and laboratory applications where extensive test data acquisition and analysis are required. Technical

Specifications The 69791A operates as an internal memory expansion module integrated with the host instrument's interface architecture. Its functionality is dependent on the firmware of the connected instrument; the card itself is a dedicated storage medium without independent firmware or processing capability.

Key Features

- High-speed data storage for measurement results and configuration settings
- Efficient data logging and retrieval capabilities
- Direct integration with 694x series instrument slots
- Support for complex test sequences and large-scale data sets
- Enables extended operational flexibility without external storage dependencies

Typical Applications

- Research and Development - captures and stores extensive test data for detailed post-acquisition analysis
- Manufacturing Test - supports high-volume data logging for quality control and process verification
- Laboratory Analysis - provides expanded memory capacity for complex experimental configurations and multi-stage measurement protocols

Compatibility & Integration The 69791A works with integration with Agilent/Keysight 694x series instruments. Installation uses the instrument's dedicated memory card slot, with no external interfaces required. The card's storage capacity directly augments the host instrument's onboard memory, eliminating the need for external data storage solutions during active measurement and test sequences.

69791A Characteristics / Specifications

PARAMETER	VALUE
Model	69791A
Instrument Type	High speed memory card
Host Mainframes	HP 6940B 6942A 69501A
Function	high-speed data memory buffer
Bus	6940/6942 multiprogrammer bus
Manufacturer	HP Agilent Keysight
Mechanical Package	multiprogrammer plug-in card
Programming	via 6940B/6942A HP-IB
Documentation	HP 69791A high-speed memory card data
Application Class	ATE pattern buffer and capture
Related Extender	69501A
Related Input Card	69771A digital input analog comparator
Duty	continuous ATE I/O
System Family	HP 6940/69700 multiprogrammer cards
Card Role	memory
Ate Use	high-speed buffered I/O
Power	from the multiprogrammer backplane
Mounting	6940/69501 card slot
Control	programmed I/O
Memory Class	high-speed as published for 69791A
Companion Cards	digital input output analog in the 697xx family
Data Path	multiprogrammer backplane

69791A Specifications

PARAMETER	VALUE
HP Agilent 69791A High Speed Memory Card	Overview
Applications	Buffering high-speed digital patterns or captures in 6940 multiprogrammer systems.
Key Features	High-speed memory for 6940 family
Technical Specifications	Model: 69791A

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	
From HP 69791A high-speed memory card listings in the 6940B/69700 family. Depth and width are on the 69791A card data sheet matching the assembly.	

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

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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.