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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1693AD

The HP 1693AD is a 34-channel member of the 1690AD-series (PC-hosted/Windows) logic analyzers sharing 1680AD speed grades. OEM 1690AD family data list 200 MHz state, 800 MHz timing, 1M memory, and 34 channels on 1693AD. Deep-memory state and timing on smaller channel-count targets with 1690AD Windows UI. Benchtop Sibling Family: 1680AD 1681AD 1682AD 1683AD User Interface: Windows-based 1690 family HP Agilent 1693AD Logic Analyzer 34 Channel 200 MHz State 800 MHz Timing The HP 1693AD is a 34-channel member of the 1690AD-series (PC-hosted/Windows) logic analyzers sharing 1680AD speed grades. OEM 1690AD family data list 200 MHz state, 800 MHz timing, 1M memory, and 34 channels on 1693AD. Deep-memory state and timing on smaller channel-count targets with 1690AD Windows UI. Benchtop Sibling Family: 1680AD 1681AD 1682AD 1683AD

**MODEL****Agilent / Keysight
1693AD****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****1693AD****LISTING**<https://aumictechlabs.com/products/1693ad-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 1693AD is a PC-hosted logic analyzer delivering 34 channels for digital design debugging and validation. It combines asynchronous and synchronous sampling modes with Windows-based control, threshold adjustment from -6 V to +6 V, and offline analysis capability to support concurrent measurement tasks. Technical Specifications Channels & Configuration 34 channels, single-ended signal support Compact PC-hosted form factor IEEE 1394 host connection to Windows PC Asynchronous Sampling (Conventional Timing) 800 MHz at

half-channel capacity (2 M memory depth) 400 MHz at full-channel capacity (4 M memory depth)
Asynchronous Sampling (Transitional Timing) 200 MHz sampling speed 1 M memory depth
Synchronous Sampling (State Analysis) 200 MHz speed with 1 M memory depth Automated
threshold and sample position setup Simultaneous eye diagrams across all channels Electrical
Characteristics Adjustable threshold: -6 V to +6 V in 10 mV incrementsKey Features Offline data
analysis on separate Windows PC Time correlation with external oscilloscopes Eye diagram
display for rapid signal quality assessment Windows 2000 Professional and Windows XP Pro
compatibilityTypical Applications Complex digital system validation, multi-channel bus analysis,
high-speed signal integrity assessment, and design debugging requiring flexible timing and state
capture modes.Compatibility & Integration Requires minimum 500 MHz Intel Celeron or AMD K-6 II
processor. Compatible with 40-pin logic analyzer probes (ordered separately). Part of the
Keysight 1690 Series PC-hosted logic analyzer family supporting modular expansion with various
mainframe configurations.

1693AD Characteristics / Specifications

PARAMETER	VALUE
Model	1693AD
Instrument Type	Logic analyzer
Channel Count	34
State Rate	200 MHz
Timing Rate	800 MHz
Memory Depth	1M
Series Family	1690AD-series
Benchtop Sibling Family	1680AD 1681AD 1682AD 1683AD
User Interface	Windows-based 1690 family
Manufacturer	HP Agilent Keysight
Mechanical Package	1690AD-series logic analyzer
Analysis Modes	state and timing
Deep Memory Class	1M
Probe Family	1690/1680-series logic analyzer probes
Lan	Windows/PC-hosted networking as published for 1690AD
Minimum State Clock	200 MHz maximum state as published
Maximum Timing Clock	800 MHz
Application Class	embedded hardware/software integration
Documentation	1690AD-series logic analyzer data sheet
Channel Class	34 versus 68/102 on higher 1690AD models
Speed Grade	same 200/800 MHz as 1680AD family
Memory Class	1M matching 1680AD

1693AD Specifications

PARAMETER	VALUE
Applications	Deep-memory state and timing on smaller channel-count targets with 1690AD Windows UI.
Key Features	34 channels 1M deep
Same speed grade as 1680AD benchtops	1690AD is the higher channel sibling
Technical Specifications	Model: 1693AD

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/Agilent 1690AD-series logic analyzer family table, 1693AD 34-channel column. Confirm form factor (PC-hosted vs attached) on the installed unit.	

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.