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Data Sheet

August 7, 2026

KEYSIGHT

Keysight (Agilent) 1670G Standalone Logic Analyzer

Keysight (Agilent) 1670G Standalone Logic Analyzer The Keysight/Agilent 1670G is a 136-channel standalone color logic analyzer in the 1670G Series. It provides 150 MHz state analysis and 250/500 MHz full/half-channel conventional timing with 64K/128K standard memory (upgradeable to 256K/512K or 2M/4M). Optional integrated 2-channel 500 MHz / 2 GSa/s scope (Opt 003) or 32-channel pattern generator (Opt 004). Benchtop digital debug; wide-bus microprocessor analysis; optional analog correlation or stimulus-response testing. The Keysight/Agilent 1670G is a 136-channel standalone color logic analyzer in the 1670G Series. It provides 150 MHz state analysis and 250/500 MHz full/half-channel conventional timing with 64K/128K standard memory (upgradeable to 256K/512K or 2M/4M). Optional integrated 2-channel 500 MHz / 2 GSa/s scope (Opt 003) or 32-channel pattern generator (Opt 004). Benchtop digital debug; wide-bus microprocessor analysis; optional analog correlation or stimulus-response testing.

No photo

MODEL

Keysight 1670G

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

1670G

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Channel count: 136 (132 data + 4 clock/data class); half-channel timing uses 68 channels
- State analysis: 150 MHz max state clock
- Timing: 250 MHz full channel / 500 MHz half channel
- Memory depth: 64K/128K (full/half) standard; Opt 001 256K/512K; Opt 002 2M/4M
- Threshold accuracy: $\pm(100 \text{ mV} + 3\% \text{ of threshold setting})$
- Setup/hold adjustable in 500 ps increments (family specs)
- Trigger sequencing: 12 levels state / 10 levels timing; time and state tagging
- Display: VGA color; 3.5-inch floppy; ~2 GB hard disk
- Interfaces: GPIB, RS-232-C, parallel printer, LAN (ThinLAN & Ethertwist)
- Options: Opt 003 2-ch 500 MHz, 2 GSa/s, 32K scope; Opt 004 32-ch pattern generator
- Family: 1670G (136), 1671G (102), 1672G (68), 1673G (34)

1670G Characteristics / Specifications

PARAMETER	VALUE
Model	1670G
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Standalone Logic Analyzer
Family	1670G (136), 1671G (102), 1672G (68), 1673G (34)
Alias	1670G; Agilent 1670G; HP 1670G Digital Capture 136 ch; 150 MHz state; 250/500 MHz timing; 64K–2M memory options Operational Notes Prefer Agilent 1670G Series technical data 5968-6421. Verify installed memory and Opt 003/004 on option labels.
Channel count	136 (132 data + 4 clock/data class); half-channel timing uses 68 channels
State analysis	150 MHz max state clock
Timing	250 MHz full channel / 500 MHz half channel
Memory depth	64K/128K (full/half) standard; Opt 001 256K/512K; Opt 002 2M/4M
Threshold accuracy	$\pm(100 \text{ mV} + 3\% \text{ of threshold setting})$
Trigger sequencing	12 levels state / 10 levels timing; time and state tagging
Display	VGA color; 3.5-inch floppy; ~2 GB hard disk
Interfaces	GPIO, RS-232-C, parallel printer, LAN (ThinLAN & Ethertwist)
Options	Opt 003 2-ch 500 MHz, 2 GSa/s, 32K scope; Opt 004 32-ch pattern generator

1670G Specifications

PARAMETER	VALUE
Keysight (Agilent) 1670G Standalone Logic Analyzer	Overview
Key Features	- Channel count: 136 (132 data + 4 clock/data class); half-channel timing uses 68 channels
Technical Specifications	Model: 1670G
Digital Capture	136 ch; 150 MHz state; 250/500 MHz timing; 64K–2M memory options
Operational Notes	Prefer Agilent 1670G Series technical data 5968-6421. Verify installed memory and Opt 003/004 on option labels.

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

Specifications

PARAMETER	VALUE
Model	1670G
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Standalone Logic Analyzer
Family	1670G Series
Alias	1670G; Agilent 1670G; HP 1670G

Digital Capture

136 ch; 150 MHz state; 250/500 MHz timing; 64K-2M memory options

Operational Notes

Prefer Agilent 1670G Series technical data 5968-6421. Verify installed memory and Opt 003/004 on option labels.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.