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Data Sheet

August 7, 2026

KEYSIGHT

Keysight (Agilent) 1660E Timing Benchtop Logic Analyzer 136-Channel, 100 MHz State, 500 MHz

Keysight (Agilent) 1660E Timing Benchtop Logic Analyzer 136-Channel, 100 MHz State, 500 MHz The HP/Agilent/Keysight 1660E is a 136-channel benchtop color logic analyzer in the 1660E Series. It provides 100 MHz state analysis and conventional timing to 250 MHz on all channels / 500 MHz half-channel, with 4K memory per channel (8K half-channel). Compact all-in-one design with VGA color display, LAN, HP-IB, and RS-232. General-purpose digital debug; microprocessor state analysis; hardware timing validation on crowded lab benches.

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No photo

MODEL

Keysight 1660E

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

1660E

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

- Channels: 136 state/timing
- State analysis: 100 MHz, all channels; 6 state clocks/qualifiers
- Conventional timing: 250 MHz all channels; 500 MHz half channels
- Transitional timing: 125 MHz all / 250 MHz half
- Glitch timing: 125 MHz half channels
- Memory: 4K samples/channel standard; 8K half-channel; ~2K with time tags on
- Display: VGA color flat panel; mouse and front-panel UI; optional PC keyboard (E2427B)
- Storage: ~2 GB hard drive; 1.44 MB DOS floppy
- I/O: Centronics printer, RS-232, HP-IB; Ethernet LAN (Ethertwist and ThinLan) standard
- Programmability: full remote via HP-IB, RS-232, LAN; X11/FTP/NFS support
- Related siblings: 1660ES (2-ch 500 MHz / 2 GSa/s scope); 1660EP (32-ch pattern generator)
- Size/weight class: ~13.0 × 14.5 × 8.1 in enclosure family; ~28.6 lb (13 kg) class

1660E Characteristics / Specifications

PARAMETER	VALUE
Model	1660E
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Benchtop Logic Analyzer
Family	1660E Series
Alias	1660E; Agilent 1660E; HP 1660E Digital Capture 136 ch; 100 MHz state; 250/500 MHz timing; 4K/8K memory Operational Notes Prefer HP 1660E/1670E Series technical data. Confirm unit is base E (not ES/EP) unless scope/PG options are present.
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1660E Specifications

PARAMETER	VALUE
Applications	General-purpose digital debug; microprocessor state analysis; hardware timing validation on crowded lab benches.
Key Features	- Channels: 136 state/timing
Technical Specifications	Model: 1660E
Digital Capture	136 ch; 100 MHz state; 250/500 MHz timing; 4K/8K memory
Operational Notes	Prefer HP 1660E/1670E Series technical data. Confirm unit is base E (not ES/EP) unless scope/PG options are present.

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

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Model	1660E
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Benchtop Logic Analyzer
Family	1660E Series
Alias	1660E; Agilent 1660E; HP 1660E

Digital Capture

136 ch; 100 MHz state; 250/500 MHz timing; 4K/8K memory

Operational Notes

Prefer HP 1660E/1670E Series technical data. Confirm unit is base E (not ES/EP) unless scope/PG options are present.

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

788 S 500 E, Pleasant Grove, UT 84062
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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.