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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 81200A – ParBERT Platform Mainframe

Agilent 81200A Data Generator Analyzer Platform The HP/Agilent 81200 is the modular data generator/analyzer platform that preceded ParBERT 81250. OEM 81200/81250 product summaries list stimulus and analyzer channels in 200, 330, 675, and 2700 Mb/s speed classes, with 81200 analysis configurable from 675 Mb/s to 2.7 Gb/s. Functional and parametric test of digital ICs, boards, and subsystems through development, with mixed generator/analyzer channels. Modular VXI stimulus and analyzer channels



MODEL

**Agilent / Keysight
81200A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

81200A

LISTING

<https://aumictechlabs.com/products/81200a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 81200A ParBERT Platform Mainframe is a modular, scalable system for digital subsystem and integrated circuit testing. It functions as a standalone data generator, combined generator-analyzer platform, or integrated component within VXI test systems, supporting functional and parametric characterization across research, development, and manufacturing environments. Technical Specifications Data rate range: 1 kb/s to 2.7 Gb/s Channel count: Up to 240 channels at 333 MHz; up to 66 synchronous input and output channels Memory depth: Up to 8 Mbit per channel; up to 64 Mb in memory-based pattern configurations Segment length resolution: 256 bits Mainframe options: E4840A (3-slot) or E4849B/C (13-slot,

accommodates nine additional modules) Processor: Embedded Pentium Processor Operating system: Windows NT 4.0 RAM: Minimum 32 MB (E4840A), minimum 64 MB (E4849B/C) Storage: 3.5" disk driveKey Features Modular architecture supporting tailored configurations with front-end and user interface modules Pseudo-random word sequence (PRWS) and pseudo-random binary sequence (PRBS) generation User-defined pattern generation on parallel lines Memory-based pattern sequencing with looping capability System clock distribution via dedicated cables connecting clock module outputs to data module SYS CLK IN ports Clock group architecture with integrated clock and data module synchronization VXI integration: Configurable as proprietary system or open VXI platform integration Agilent E4873A user software and HP SICL included Support for Agilent E4805A Central Clock module or E4831A Clock and Data Generator moduleTypical Applications Digital subsystem functional and parametric testing Integrated circuit characterization and stress testing Board-level test and verification Device under test (DUT) pulse parameter control and optimizationCompatibility & Integration The 81200A operates as a standalone platform or integrates into existing VXI test architectures. Compatible modules include the Agilent E4841A, E4861A, and E4805A Central Clock module. Configuration flexibility allows deployment in both proprietary and open VXI environments.

81200A Characteristics / Specifications

PARAMETER	VALUE
Model	81200A
Instrument Type	Modular data generator and analyzer platform
Series Family	HP Agilent 81200
Speed Class 2	200 Mb/s generator/analyzer class
Speed Class 3	330 Mb/s generator/analyzer class
Speed Class 6	675 Mb/s generator/analyzer class
Speed Class 27	2.700 Gb/s generator/analyzer class
Analysis Span Published	configurable for 675 Mb/s to 2.7 Gb/s analysis on 81200 product summaries
Successor Platform	ParBERT 81250 extends the same modular BERT idea to 45 Gb/s
Pattern Types Family	PRWS, standard PRBS, and user-defined patterns on the 81200/81250 family
Ber Analysis Family	user-defined, PRBS/PRWS, or mixed data
Channel Mix	generator and analyzer channels mixed by speed class
Host Form Factor	VXI modular mainframe class of the 81200/81250 platforms
Use Case	functional and parametric tests on digital subsystems, ICs, or boards
Related 81250 675 Class	333.334 kb/s to 675 Mb/s on the later 81250 selection guide
Related 81250 2700 Class	333.334 Mb/s to 2.7 Gb/s on the later 81250 selection guide
Related Memory 812	up to 64 Mbit per channel on the successor 81250 sheet (confirm 81200 module memory on the installed card)
Related Prbs 812	PRBS to $2^{31}-1$ on the successor 81250 sheet
Related Formats 812	NRZ DNRZ RZ R1 on the successor 81250 sheet
Programming	system software control of generator/analyzer modules
Application Mux Demux	parallel-to-serial and serial-to-parallel characterization on the family literature
Brand Lineage	HP / Agilent / Keysight

81200A Specifications

PARAMETER	VALUE
Agilent 81200A Data Generator Analyzer Platform	Overview
Modular VXI stimulus and analyzer channels	Four published speed classes through 2.7 Gb/s
Technical Specifications	Model: 81200A

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	81200A
Instrument Type	Modular data generator and analyzer platform
Series Family	HP Agilent 81200
Speed Class 200	200 Mb/s generator/analyzer class
Speed Class 330	330 Mb/s generator/analyzer class
Speed Class 675	675 Mb/s generator/analyzer class
Speed Class 2700	2.700 Gb/s generator/analyzer class
Analysis Span Published	configurable for 675 Mb/s to 2.7 Gb/s analysis on 81200 product summaries
Successor Platform	ParBERT 81250 extends the same modular BERT idea to 45 Gb/s
Pattern Types Family	PRWS, standard PRBS, and user-defined patterns on the 81200/81250 family
Ber Analysis Family	user-defined, PRBS/PRWS, or mixed data
Channel Mix	generator and analyzer channels mixed by speed class
Host Form Factor	VXI modular mainframe class of the 81200/81250 platforms
Use Case	functional and parametric tests on digital subsystems, ICs, or boards
Related 81250 675 Class	333.334 kb/s to 675 Mb/s on the later 81250 selection guide
Related 81250 2700 Class	333.334 Mb/s to 2.7 Gb/s on the later 81250 selection guide
Related Memory 81250	up to 64 Mbit per channel on the successor 81250 sheet (confirm 81200 module memory on the installed card)
Related Prbs 81250	PRBS to 2^31-1 on the successor 81250 sheet
Related Formats 81250	NRZ DNRZ RZ R1 on the successor 81250 sheet
Programming	system software control of generator/analyzer modules
Application Mux Demux	parallel-to-serial and serial-to-parallel characterization on the family literature
Brand Lineage	HP / Agilent / Keysight
Notes	
Speed-class and analysis-span rows from HP/Agilent 81200 versus 81250 product summaries. Wherearow is labeled	

81250 successor, it is the published ParBERT 5968-9188E family figure used only as platform context; confirm 81200 module-specific memory and format limits on the installed generator/analyzer cards.

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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30-day returns
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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.