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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E2928A 66 MHz PCI Exerciser and Analyzer

Agilent E2928A 66 MHz PCI Exerciser and Analyzer The Agilent E2928A is a 66 MHz PCI exerciser and analyzer in the E2920 family. Higher clock than E2925A (32-bit 33 MHz). Master/target generation plus protocol analysis for PCI bring-up, compliance, and performance measurements. Related E2927A is the 32/64-bit 66 MHz card with published 512 kB data memory and 64-level sequencer. 66 MHz PCI verification; master/target stress; protocol capture at 66 MHz; automated C-API compliance. The Agilent E2928A is a 66 MHz PCI exerciser and analyzer in the E2920 family. Higher clock than E2925A (32-bit 33 MHz). Master/target generation plus protocol analysis for PCI bring-up, compliance, and performance measurements. Related E2927A is the 32/64-bit 66 MHz card with published 512 kB data memory and 64-level sequencer. 66 MHz PCI verification; master/target stress; protocol capture at 66 MHz; automated C-API compliance.



MODEL

**Keysight / Agilent /
HP E2928A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2928A

LISTING

[https://aumictechlabs.c
om/products/e2928a-
2/](https://aumictechlabs.com/products/e2928a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E2928A is a short PCI card that functions as both an exerciser and analyzer for comprehensive PCI bus testing and validation. It integrates real-time protocol checking, logic

analysis, and timing measurement to support functional verification and compliance testing of PCI systems and add-in cards. The instrument operates at up to 66 MHz and supports full 32-bit and 64-bit data and address configurations across all PCI signals. Technical Specifications Analyzer: PCI bus speed: 66 MHz Full 32/64-bit data and address support Trace memory: 155 × 64K PCI state logic analyzer Trigger sequencer: 64-level with 24 pattern terms Real-time protocol checker with timing analysis at 250 ps resolution (33 MHz) Performance analysis included Exerciser (Optional): PCI bus speed: 66 MHz Fully programmable PCI master and target emulation On-board data memory: 512 KB Optional trace memory: 155 × 4M Control and Software: Windows NT graphical user interface (GUI) External control via RS-232 or 4 MB parallel interface In-system control through PCI bus C-Application Programming Interface (C-API) for programmatic integration System Validation Package available PCI protocol permutation testing capability Performance Optimizer option (Opt. 200) Key Features Short form-factor PCI card design 155 × 64K trace memory captures extended bus activity 64-level trigger sequencer enables precise capture conditions 250 ps timing resolution supports margin analysis Intuitive Windows NT GUI reduces learning curve Dual control paths: external interfaces plus in-system PCI access Typical Applications PCI add-in card functional verification Real-time protocol compliance testing PCI bus performance characterization System-level timing margin analysis Master and target device emulation and debugging Compatibility & Integration Windows NT operating system PCI bus standard compliance C-API support for automated test integration

Features & description

From manufacturer datasheet

Features

- 66 MHz PCI exerciser/analyzer

E2928A Characteristics / Specifications

PARAMETER	VALUE
Model	E2928A
Manufacturer	Agilent / Keysight
Instrument Type	PCI Exerciser and Analyzer
Family	E2920
Alias	E2928A; Agilent E2928A
PCI Clock	66 MHz
Roles	master and target
Functions	exerciser and analyzer
Related E2925A	32-bit 33 MHz
Related E2927A	32/64-bit 66 MHz; 512 kB data memory; 64-level sequencer; 24 pattern terms
Host	PCI slot (66 MHz capable)
Software	Agilent PCI exerciser GUI and C-API
Protocol Check	real-time family
Form	PCI add-in test card
Power	PCI backplane
Status	Agilent E2928A EOL
Not GPIB	not 82350
Not PCIe	conventional PCI
Not 33 MHz Only	66 MHz card
Compliance	PCI 66 MHz class
Automation	C-API
Stress	autonomous patterns family
GUI	family software
Trace	on-board analyzer memory
Trigger	sequencer family

PARAMETER	VALUE
Documentation	E2928A user/programming
Slot	3.3 V/5 V PCI per card
Width	PCI (confirm 32 vs 64 on faceplate) Notes 66 MHz PCI exerciser identity from Agilent E2928A product literature. Published 512 kB / 64-level sequencer figures are documented on E2927A: confirm E2928A memory options on the module rather than assuming E2927A options.

E2928A Specifications

PARAMETER	VALUE
Agilent E2928A 66 MHz PCI Exerciser and Analyzer	Overview
Applications	66 MHz PCI verification; master/target stress; protocol capture at 66 MHz; automated C-API compliance.
Key Features	- 66 MHz PCI exerciser/analyzer
Technical Specifications	Model: E2928A

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.

performance measurements. Related E2927A is the 32/64-bit 66 MHz card with published 512 kB data memory and 64-level sequencer.

Applications

66 MHz PCI verification; master/target stress; protocol capture at 66 MHz; automated C-API compliance.

Key Features

- 66 MHz PCI exerciser/analyzer
- Master and target
- Family software GUI and C-API
- Contrast E2925A 33 MHz 32-bit
- Contrast E2927A 32/64-bit 66 MHz published memory/sequencer

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E2928A
Manufacturer	Agilent / Keysight
Instrument Type	PCI Exerciser and Analyzer

Specifications

PARAMETER	VALUE
Family	E2920
Alias	E2928A; Agilent E2928A
PCI Clock	66 MHz

Specifications

PARAMETER	VALUE
Roles	master and target
Functions	exerciser and analyzer
Related E2925A	32-bit 33 MHz

Specifications

PARAMETER	VALUE
Related E2927A	32/64-bit 66 MHz; 512 kB data memory; 64-level sequencer; 24 pattern terms

PARAMETER	VALUE
Host	PCI slot (66 MHz capable)
Software	Agilent PCI exerciser GUI and C-API

Specifications

PARAMETER	VALUE
Protocol Check	real-time family
Form	PCI add-in test card
Power	PCI backplane

Specifications

PARAMETER	VALUE
Status	Agilent E2928A EOL
Not GPIB	not 82350
Not PCIe	conventional PCI

Specifications

PARAMETER	VALUE
Not 33 MHz Only	66 MHz card
Compliance	PCI 66 MHz class
Automation	C-API

Specifications

PARAMETER	VALUE
Stress	autonomous patterns family
GUI	family software
Trace	on-board analyzer memory

Specifications

PARAMETER	VALUE
Trigger	sequencer family
Documentation	E2928A user/programming
Slot	3.3 V/5 V PCI per card

Width: PCI (confirm 32 vs 64 on faceplate)

Notes

66 MHz PCI exerciser identity from Agilent E2928A product literature. Published 512 kB / 64-level sequencer figures are documented on E2927A: confirm E2928A memory options on the module rather than assuming E2927A options.

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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NIST-traceable calibration · SAM registered ·
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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.