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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) E4809A 13.5GB/S Module

Keysight / Agilent E4809A 13.5 GHz Central Clock Module (ParBERT) The E4809A is a 2-slot VXI central clock module providing 1 kHz to 13.5 GHz system clocking for ParBERT configurations, including 13.5 Gb/s generator/analyzer modules (N4872A/N4873A). The E4809A is a 2-slot VXI central clock module providing 1 kHz to 13.5 GHz system clocking for ParBERT configurations, including 13.5 Gb/s generator/analyzer modules (N4872A/N4873A).



MODEL

**Keysight / Agilent
E4809A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E4809A

LISTING

<https://aumictechlabs.com/products/e4809a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) E4809A is a central clock module for the ParBERT 81250 platform, providing precise timing synchronization and distribution to high-speed data generator and analyzer modules. Operating from 20.834 MHz to 13.5 GHz with 1 Hz resolution, this module delivers the master clock signals required for accurate bit error ratio testing at data rates up to 13.5 Gb/s. Technical Specifications Clock Generation and Distribution Frequency Range: 20.834 MHz to 13.5 GHz GigaClock Signal Range: 500 MHz to 13.5 GHz (for N4872A, N4873A modules) Resolution: 1 Hz SSB Phase Noise: <-75 dBc at 10 kHz offset (at 10 GHz) Clocking Ratio: 1, 2, 4, 8, 16, 32, 64, or 256× via Phase-Locked Loop frequency generator Synchronization and Control External Clock/Reference Input: 10 MHz reference support Trigger Output: Available for external test equipment Latency: 16 ns ±1 clock (trigger output to channel output); +3 ns with expander

frame Guided Deskew: Precision channel alignment Master/Slave Configuration: Multi-frame and clock group support Trigger Pod Input Lines: 8 single-ended Input Levels: TTL compatible Input Threshold: 1.5 V Input Termination: 5 k Ω pullup to +5 V Absolute Maximum Input: -1.2 V to +7.0 V Cable Delay: 11 ns typical Setup Time: 2.5 ns (includes cable delay) Hold Time: 5 ns (includes cable delay) Physical Module Size: Two VXI slotsKey Features Synchronization with external 10 MHz reference clocks External trigger control for test sequence management Guided deskew alignment for multi-channel precision Flexible clocking ratios supporting diverse module configurations Low phase noise performance (<-75 dBc at 10 kHz offset)Typical Applications High-speed serial data testing, bit error ratio measurement, multi-channel synchronization, and complex test sequencing in production and characterization environments.Compatibility & Integration Designed for ParBERT 81250 platform integration. Compatible with E4832A (675 Mb/s), E4861B (3.35 Gb/s), E4810A/11A (3.35 Gb/s optical), N4872A/73A (13.5 Gb/s), E4866A/67A (10.8 Gb/s), and E4868B/69B (45 Gb/s) modules. Supports expander frame operation.

Features & description

From manufacturer datasheet

Features

• Frequency: 1 kHz to 13.5 GHz • Form: central clock module (2 VXI slots) • Role: system clock for ParBERT configurations • Compatible data modules: E4832A 675 Mb/s; E4861B 3.35 Gb/s; E4810A/11A optical; N4872A/73A 13.5 Gb/s • Features: external start/stop; ext. clock / ext. reference; trigger output; guided deskew; sequencing • Multi-frame and master/slave support

Applications

• System clock for ParBERT multi-module systems • Clocking N4872A/N4873A 13.5 Gb/s modules • Multi-frame / multi-clock-group master/slave sequencing

E4809A Characteristics / Specifications

PARAMETER	VALUE
Model	E4809A
Manufacturer	Keysight / Agilent
Instrument Type	ParBERT Central Clock Module
Alias	E4809A; Agilent E4809A; Keysight E4809A
Frequency	1 kHz to 13.5 GHz
Slots	2 VXI
Max clock	13.5 GHz
System	ParBERT Notes Specs from Agilent/Keysight ParBERT 13.5 Gb/s literature. Confirm companion generator/analyzer modules in the frame.
Form	central clock module (2 VXI slots)
Role	system clock for ParBERT configurations
Compatible data modules	E4832A 675 Mb/s; E4861B 3.35 Gb/s; E4810A/11A optical; N4872A/73A 13.5 Gb/s
Features	external start/stop; ext. clock / ext. reference; trigger output; guided deskew; sequencing

E4809A Specifications

PARAMETER	VALUE
Key Features	- Frequency: 1 kHz to 13.5 GHz
Technical Specifications	Model: E4809A
Notes	Specs from Agilent/Keysight ParBERT 13.5 Gb/s literature. Confirm companion generator/analyzer modules in the frame.

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	E4809A
Manufacturer	Keysight / Agilent
Instrument Type	ParBERT Central Clock Module
Alias	E4809A; Agilent E4809A; Keysight E4809A

Specifications

PARAMETER	VALUE
Frequency	1 kHz to 13.5 GHz
Slots	2 VXI
Max clock	13.5 GHz
System	ParBERT

Notes
Specs from Agilent/Keysight ParBERT 13.5 Gb/s literature. Confirm companion generator/analyzer modules in the frame.

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.