

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9046A PXIe Chassis, 18 slots, 24 GB/s

Keysight / Agilent M9046A 18-Slot High-Power PXIe Chassis The M9046A is a high-power, high-cooling 18-slot PXIe chassis with Gen 3 backplane (24 GB/s system / 8 GB/s slot-to-slot). Designed for dense, high-dissipation modular systems. The M9046A is a high-power, high-cooling 18-slot PXIe chassis with Gen 3 backplane (24 GB/s system / 8 GB/s slot-to-slot). Designed for dense, high-dissipation modular systems.



MODEL

**Keysight / Agilent
M9046A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9046A

LISTING

[https://aumictechlabs.c
om/products/m9046a-
2/](https://aumictechlabs.com/products/m9046a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight M9046A is an 18-slot PXIe chassis delivering PCIe Gen 3 performance for high-throughput modular instrumentation systems. It combines 24 GB/s system bandwidth with intelligent thermal management and flexible slot architecture to support demanding aerospace, defense, electronic test, and communications applications.

Technical Specifications

Slot Configuration 18 total slots: 13 PXIe slots, 3 PXIe hybrid slots, 1 timing slot, 1 dual-link system slot

Dual-link system slot supports x8 and x16 PCIe connections

Backplane & Connectivity PCIe Generation 3

System bandwidth: up to 24 GB/s (dual-link system slot, 24 PCIe lanes)

Slot-to-slot bandwidth: up to 8 GB/s per peripheral slot (x8 PCIe link)

Peripheral slots: x8 PCIe link

Optional

rear trigger access: 8 SMB ports across 3 trigger bus segments Multi-chassis power sequencing via Cat 5 cables with RJ-45 connectors Remote inhibit and power rail monitoring via DB-9 connector Power & Thermal Usable power: up to 1675W Cooling capacity: 85 W/slot standard; up to 100 W/slot (Option 003) Three auto-speed rear intake fans with eight exhaust temperature sensors Airflow direction: bottom to top across module slots Reference Clock OCXO 10/100 MHz reference clock (± 1 ppm) Optional 2.4 GHz reference clock with low phase noise (Option 003) System Monitoring Module exhaust temperatures, voltage rails, and fan speeds

Key Features

High-capacity power supply with per-slot monitoring and control Increased airflow volume with acoustically optimized fan operation Temperature-adaptive fan speed control reduces noise under partial loads Compact, rack-mountable form factor

Typical Applications Aerospace and defense test systems, electronic component characterization, communications signal validation, and multi-module measurement platforms requiring synchronized operation.

Compatibility & Integration

Accepts PXIe and hybrid-compatible modules. Supports interconnection of multiple chassis for synchronized power sequencing and distributed measurement systems.

Features & description

From manufacturer datasheet

Features

• Total slots: 18 (3U) • Hybrid slots: 3; PXIe peripheral slots: 13; timing: 1; system: 1 (+3 expansion) • Backplane: PCIe Gen 3; system slot 2-link (x8 + x16); x8 to PXIe slots • System bandwidth max: 24 GB/s; slot-to-slot: 8 GB/s • Usable DC power: up to 1675 W (200–240 V); 887.5 W (100–120 V) • Cooling: up to 85 W/slot; Opt 003 push-pull to 100 W/slot • AC input: 100–120 V / 1350 W max; 200–240 V / 2000 W max; 50/60 Hz (400 Hz class on low-line tables) • OCXO reference: 10/100 MHz $\pm$ 1 ppm • Size: 445 × 193 × 515 mm (feet on); 4U; weight 18.66 kg • Options: 001 advanced trigger; 002 advanced power monitor/control; 003 push-pull cooling; QS0–QS3 reference options • Operating: up to 55 °C / 10,000 ft class

Applications

• High-power PXIe instrument racks • Bandwidth-intensive Gen 3 modular systems • Multi-chassis systems with power sequencing and rear triggers

M9046A Characteristics / Specifications

PARAMETER	VALUE
Model	M9046A
Manufacturer	Keysight / Agilent
Instrument Type	High-Power 18-Slot PXIe Chassis
Alias	M9046A; Keysight M9046A
Total slots	18 (3U)
Hybrid slots	3; PXIe peripheral slots: 13; timing: 1; system: 1 (+3 expansion)
Backplane	PCIe Gen 3; system slot 2-link (x8 + x16); x8 to PXIe slots
System BW	24 GB/s
DC power	1675 W
Cooling	up to 85 W/slot; Opt 003 push-pull to 100 W/slot
Weight	18.66 kg Notes Specs from Keysight M9046A 18-Slot PXIe Chassis data sheet. Confirm Opt 003 and reference options on the unit.
System bandwidth max	24 GB/s; slot-to-slot: 8 GB/s
Usable DC power	up to 1675 W (200–240 V); 887.5 W (100–120 V)
AC input	100–120 V / 1350 W max; 200–240 V / 2000 W max; 50/60 Hz (400 Hz class on low-line tables)
OCXO reference	10/100 MHz ±1 ppm
Size	445 × 193 × 515 mm (feet on); 4U; weight 18.66 kg
Options	001 advanced trigger; 002 advanced power monitor/control; 003 push-pull cooling; QS0–QS3 reference options
Operating	up to 55 °C / 10,000 ft class
Bandwidth	intensive Gen 3 modular systems - Multi-chassis systems with power sequencing and rear triggers

M9046A Specifications

PARAMETER	VALUE
Key Features	- Total slots: 18 (3U)
Technical Specifications	Model: M9046A
Notes	Specs from Keysight M9046A 18-Slot PXIe Chassis data sheet. Confirm Opt 003 and reference options on the unit.

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	M9046A
Manufacturer	Keysight / Agilent
Instrument Type	High-Power 18-Slot PXIe Chassis
Alias	M9046A; Keysight M9046A

Specifications

PARAMETER	VALUE
Total slots	18
Hybrid slots	3
Backplane	PCIe Gen 3
System BW	24 GB/s

Slot-to-slot BW: 8 GB/s

Specifications

PARAMETER	VALUE
DC power	1675 W
Cooling	85 W/slot
Weight	18.66 kg

Notes

Specs from Keysight M9046A 18-Slot PXIe Chassis data sheet. Confirm Opt 003 and reference options on the unit.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.