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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9018B

Keysight / Agilent M9018B 18-Slot PXIe Chassis The M9018B is an 18-slot 3U PXIe chassis with Gen 2 backplane performance. Provides 16 hybrid-compatible slots plus system and timing slots in a 4U rack footprint with innovative cooling. The M9018B is an 18-slot 3U PXIe chassis with Gen 2 backplane performance. Provides 16 hybrid-compatible slots plus system and timing slots in a 4U rack footprint with innovative cooling.



MODEL

**Keysight / Agilent
M9018B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9018B

LISTING

[https://aumictechlabs.c
om/products/m9018b-
2/](https://aumictechlabs.com/products/m9018b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight M9018B is an 18-slot PXIe chassis engineered for modular test systems. It accommodates 16 PXIe hybrid slots, 1 system slot, and 1 timing slot, delivering PCIe Gen 2 fabric speeds with configurable bandwidth allocation across peripheral and system slots. The chassis supports peer-to-peer communication between any peripheral slots, eliminating system slot bottlenecks in demanding measurement applications. Technical Specifications Slot Configuration: 16 PXIe hybrid slots (x4 or x8 PCIe links), 1 PXIe system slot (configurable 2×8 or 4×4), 1 PXIe timing slot PCIe Fabric: Gen 2 with segmented triggering across three trigger bus segments Peripheral Slot Bandwidth: Four slots support x8 links at up to 4 GB/s; twelve slots support x4 links at up to 2 GB/s System Slot Bandwidth: Up to 8 GB/s with all 16 PCIe lanes utilized Power Capacity: 858 W at 200–240 V input; 708 W at 100–120 V input Cooling Capacity: 42 W per slot

with auto-speed fan management Operating Temperature: Up to 55 °C at 10,000 ft altitude
Dimensions (4U): 444.4 mm W × 194.8 mm H × 466 mm D (with feet); 177.8 mm H (without feet)
Weight: 13.5 kg (29.8 lbs) chassis onlyKey Features Peer-to-peer slot communication eliminates
host PC bottlenecks for inter-module data transfer Intelligent power rail monitoring with
configurable alarms via front panel LEDs, software API, or remote inhibit (DB-9 rear connector)
Two front panel SMB trigger ports integrating the PXI (0:7) trigger bus for non-PXI instrument
synchronization PCIe cable interface support (M9021A) and desktop adapter compatibility
(M9048B/M9049A) Multi-chassis power sequencing capability for extended system architectures
Compact 4U footprint with innovative cooling designCompatibility & Integration Supports standard
PXI and PXIe modules. Connect via external PCIe cable interface for remote operation or desktop
adapter for direct integration. Real-time power rail monitoring and thermal management via
software control.

Features & description

From manufacturer datasheet

Features

- Total slots: 18 (3U modules) • Hybrid compatible slots: 16 • PXIe system slot: 1 (with 3 system expansion slots) • PXIe timing slot: 1 (also accepts PXIe module) • Module compatibility: PXIe, PXI-Hybrid, PXI-1 (J1 only), cPCI (J1 only) • Backplane: PCIe Gen 2 (revision 2.0) • System slot links: configurable 2-Link (2×8) or 4-Link (4×4); plus M9021A config (1×8) • Peripheral bandwidth: 4 slots ×8 (max 4 GB/s); 12 slots ×4 (max 2 GB/s) • System slot max bandwidth: 8 GB/s (all 16 lanes) • Available DC power: 858 W @ 220/240 V; 708 W @ 100/120 V • Size: 444.4 × 194.8 × 466 mm (with feet); 4U × 1 rack width • Weight: 13.5 kg (29.8 lbs) without modules • Front panel triggers: 2 SMB to PXI trigger bus
- Standards: PXI-5 / PXI Express / PXI-1 / PICMG EXP.0 R2.0

Applications

- High-density PXIe modular instrument systems • Mixed PXIe / hybrid-compatible module installations
- Multi-chassis PXIe systems with front-panel SMB triggers

M9018B Characteristics / Specifications

PARAMETER	VALUE
Model	M9018B
Manufacturer	Keysight / Agilent
Instrument Type	18-Slot PXIe Chassis
Alias	M9018B; Keysight M9018B
Total slots	18 (3U modules)
Hybrid slots	16
Backplane	PCIe Gen 2 (revision 2.0)
System BW max	8 GB/s
Weight	13.5 kg (29.8 lbs) without modules
Height	4U Notes Specs from Keysight M9018B/M9019A datasheet and PXIe Chassis Family Specification Guide. Confirm Gen 2 (M9018B) vs Gen 3 (M9019A) labeling on the unit.
Hybrid compatible slots	16
PXIe system slot	1 (with 3 system expansion slots)
PXIe timing slot	1 (also accepts PXIe module)
Module compatibility	PXIe, PXI-Hybrid, PXI-1 (J1 only), cPCI (J1 only)
System slot links	configurable 2-Link (2×8) or 4-Link (4×4); plus M9021A config (1×8)
Peripheral bandwidth	4 slots ×8 (max 4 GB/s); 12 slots ×4 (max 2 GB/s)
System slot max bandwidth	8 GB/s (all 16 lanes)
Available DC power	858 W @ 220/240 V; 708 W @ 100/120 V
Size	444.4 × 194.8 × 466 mm (with feet); 4U × 1 rack width
Front panel triggers	2 SMB to PXI trigger bus
Standards	PXI-5 / PXI Express / PXI-1 / PICMG EXP.0 R2.0
Bandwidth	4 slots ×8 (max 4 GB/s); 12 slots ×4 (max 2 GB/s) - System slot max bandwidth: 8 GB/s (all 16 lanes) - Available DC power: 858 W @ 220/240 V; 708 W @ 100/120 V - Size: 444.4 × 194.8 × 466 mm (with feet); 4U × 1 rack width - Weight: 13.5 kg (29.8 lbs)

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. Provides 16 hybrid-compatible slots plus system and timing slots in a 4U rack footprint with innovative cooling.

Applications

- High-density PXIe modular instrument systems
- Mixed PXIe / hybrid-compatible module installations
- Multi-chassis PXIe systems with front-panel SMB triggers

Key Features

- Total slots: 18 (3U modules)
- Hybrid compatible slots: 16
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Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	M9018B
Manufacturer	Keysight / Agilent
Instrument Type	18-Slot PXIe Chassis
Alias	M9018B; Keysight M9018B

Specifications

PARAMETER	VALUE
Total slots	18
Hybrid slots	16
Backplane	PCIe Gen 2
System BW max	8 GB/s

DC power high-line: 858 W
DC power low-line: 708 W
Weight: 13.5 kg
Height: 4U

Notes

Specs from Keysight M9018B/M9019A datasheet and PXIe Chassis Family Specification Guide. Confirm Gen 2

(M9018B) vs Gen 3 (M9019A) labeling 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

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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.