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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 64700B Emulator Card Cage

The HP 64700B is the card cage/mainframe for HP 64700-series microprocessor emulators (64700A/B development system). It hosts emulator control cards, analysis cards, and target pods. B-revision cage. NotaVXI mainframe and notalogic analyzer by itself. Manufacturer: Hewlett Packard / Agilent / Keysight Hosted Cards: emulator control and analysis cards Slots: emulator-family slots (not VXI C-size) Manufacturer: Hewlett Packard / Agilent / Keysight Hosted Cards: emulator control and analysis cards Slots: emulator-family slots (not VXI C-size) Emulator card-cage identity from HP 64700B. Processor support depends on installed emulator cards/pods. Do not invent ICE clock rates.

**MODEL****Keysight / Agilent /
HP 64700B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****64700B****LISTING**[https://aumictechlabs.c
om/products/64700b-
2/](https://aumictechlabs.com/products/64700b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 64700B Emulator Card Cage is a modular chassis system that houses and manages emulator and analyzer cards for embedded system debugging and real-time processor analysis. Built on a dual-bus architecture, the cage enables nonintrusive tracing without interrupting processor execution, supporting 8-, 16-, or 32-bit processor configurations through interchangeable card sets. Technical Specifications Card slots: 6.5 total; 2.5 reserved for host

control and optional LAN card; 4 available for emulator cards, optional software performance analyzer, and future expansion Internal bus: 60-pin data bus for inter-card communication Connectivity: LAN interface and RS-232 serial communication Front-panel status indicators: LEDs for status and alarm monitoring Processor support: Configurable 8-, 16-, or 32-bit architectures Architecture: Dual-bus design for real-time, nonintrusive analysis Key Features The modular card cage design enables rapid reconfiguration and disassembly for processor transitions. The 60-pin internal data bus provides deterministic inter-card signaling. External LAN and RS-232 interfaces allow remote development tool operation across laboratory and enterprise network environments. Front-panel LEDs provide immediate status visibility without external instrumentation. Typical Applications Embedded system development and validation for microcontroller-based designs. Real-time instruction and data tracing during target execution. Integration with software performance analysis tools via optional analyzer cards. Multi-processor debugging configurations leveraging modular emulator card sets. Compatibility & Integration The 64700B cage accepts emulator and analyzer cards including the 64746J, 64170A Memory Control Board, 64708A SPA VME Card, 64794A Emulation Bus Analyzer, 64700 Series Emulator, and Keysight 64782 Motorola 6833x-family emulator. Host systems include HP 9000 workstations and PCs. Firmware compatibility is card-specific; firmware updates may be required when upgrading from older to newer emulator cards, potentially including Flash EPROM board programming.

64700B Characteristics / Specifications

PARAMETER	VALUE
Model	64700B
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Emulator Card Cage
Alias	64700B; HP 64700B
Function	emulator card cage / mainframe
Family	HP 64700 microprocessor emulator
Revision	B
Predecessor	64700A cage
Hosted Cards	emulator control and analysis cards
Target	processor-specific emulator pods
Not VXI	not E1401/E840x
NotACPU Pod	cage only
Form	card cage with backplane and PSU
Status	HP 64700B EOL
Interface	HP-IB host control of the era
Documentation	64700B emulator system
Power	cage mains PSU
Cooling	cage fans
Use	host emulator cards
Compatibility	64700-series cards
Identification	64700B
Software	HP 64700 emulator software
Slots	emulator-family slots (not VXI C-size)
Safety	mains cage
Not 1660E	notabenchtop logic analyzer Notes Emulator card-cage identity from HP 64700B. Processor support depends on installed emulator

PARAMETER	VALUE
	cards/pods. Do not invent ICE clock rates.

64700B Specifications

PARAMETER	VALUE
HP Agilent 64700B Emulator Card Cage	Overview
Applications	- 64700 emulator system cage
Key Features	- Emulator card cage 64700B
Technical Specifications	Model: 64700B
Notes	Emulator card-cage identity from HP 64700B. Processor support depends on installed emulator cards/pods. Do not invent ICE clock rates.

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.

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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.