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Data Sheet

August 1, 2026

HP

HP-IB 82937A interface for Hewlett-Packard Series 80 Computers

HP-IB 82937A Interface for Hewlett-Packard Series 80 Computers The HP 82937A is a plug-in HP-IB (IEEE-488) interface module for Hewlett-Packard Series 80 personal computers (HP-85, HP-86, HP-87 and related). It implements the IEEE 488-1978 Standard Digital Interface for Programmable Instrumentation, enabling bidirectional asynchronous communication between the Series 80 computer and HP-IB instruments and peripherals. The card features a built-in HP-IB cable and is part of the Series 80 interface-module family alongside serial, GPIO, BCD, and HP-IL options. The HP 82937A is a plug-in HP-IB (IEEE-488) interface module for Hewlett-Packard Series 80 personal computers (HP-85, HP-86, HP-87 and related). It implements the IEEE 488-1978 Standard Digital Interface for Programmable Instrumentation, enabling bidirectional asynchronous communication between the Series 80 computer and HP-IB instruments and peripherals. The card features a built-in HP-IB cable and is part of the Series 80 interface-module family alongside serial, GPIO, BCD, and HP-IL options. Instrument control and data acquisition from Series 80 BASIC programs; connection of printers, plotters, disc drives, and programmable instruments on a shared IEEE-488 bus; educational and laboratory automation using Series 80 controllers.

No photo

MODEL

HP 82937A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

82937A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- IEEE 488-1978 / HP-IB compliant interface for Series 80 computers
- Bidirectional, asynchronous byte-serial, bit-parallel transfers
- Up to 14 HP-IB compatible devices per interface
- Total cable length up to 20 meters on one contiguous bus
- Built-in HP-IB cable on the 82937A card
- Three-wire interlocking handshake; speed limited by the slowest device on the bus
- Select-code / controller configuration via onboard switches
- Works with Series 80 I/O ROM enhanced BASIC I/O commands

82937A Characteristics / Specifications

PARAMETER	VALUE
Model	82937A
Manufacturer	Hewlett-Packard
Instrument Type	HP-IB / IEEE-488 interface plug-in for Series 80
Host Systems	HP Series 80 (HP-85 / HP-86 / HP-87 class)
Standard	IEEE 488-1978 (HP-IB)
Devices per Interface	Up to 14
Maximum Cable Length	20 meters total transmission path
Topology	Star or linear bus network
Signal Lines	16 active (8 data + 8 interface/management)
Transfer Scheme	Byte-serial, bit-parallel, asynchronous with three-wire handshake
Addressing	Primary talk/listen addressing per IEEE-488 (up to 1 talker and multiple listeners at a time on the bus)
Cable	Built-in HP-IB cable (card feature) HP-IB Bus Context (IEEE-488 / HP-IB Family)
Maximum interconnected devices on one contiguous bus	15
Typical maximum data rates	up to about 1 Mbyte/s over limited distances; 250 to 500 kbyte/s typical over full path; actual rate set by communicating devices
Driver/receiver levels	TTL compatible Related Series 80 Interfaces 82938A HP-IL; 82939A RS-232 serial; 82940A GPIO; 82941A BCD; 82949A Centronics printer; 82169A HP-IL/HP-IB bridge Operational Notes Set select code and controller/system-controller switches before installation. Do not exceed device count or cable-length limits. Stack HP-IB connectors carefully and tighten finger-tight only. Use the Series 80 I/O ROM for convenient high-level bus commands from BASIC.

82937A Specifications

PARAMETER	VALUE
Key Features	- IEEE 488-1978 / HP-IB compliant interface for Series 80 computers
Technical Specifications	Model: 82937A
Related Series 80 Interfaces	82938A HP-IL; 82939A RS-232 serial; 82940A GPIO; 82941A BCD; 82949A Centronics printer; 82169A HP-IL/HP-IB bridge

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

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.