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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E2074 GPIO/EISA Interface Card

HP Agilent E2074 GPIO/EISA Interface Card The HP E2074 isaGPIO interface card for EISA-bus PCs, providing general-purpose digital I/O from an EISA workstation. NotaPIB card (E2071/82341). Used in HP-UX/PC ATE of the EISA era. Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: GPIO EISA Interface Card The HP E2074 isaGPIO interface card for EISA-bus PCs, providing general-purpose digital I/O from an EISA workstation. NotaPIB card (E2071/82341). Used in HP-UX/PC ATE of the EISA era. Manufacturer: Hewlett Packard / Agilent / Keysight Instrument Type: GPIO EISA Interface Card Software: HP GPIO/EISA drivers of the era



MODEL

**Keysight / Agilent /
HP E2074**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2074

LISTING

[https://aumictechlabs.c
om/products/e2074-2/](https://aumictechlabs.com/products/e2074-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP E2074 is an EISA and GPIO interface card that enables connection of external devices lacking standard interface protocols such as HP-IB or RS-232. The card supports 16-bit data exchange and operates as an EISA/ISA expansion slot card for HP Series 700 workstations and PCs. Two operational modes provide flexibility: Compatibility Mode emulates the HP 98622 GPIO interface, while Enhanced Mode delivers a bi-directional data port with auxiliary control lines for expanded I/O capability. Technical Specifications Data Exchange: 16-bit capability

Interface Type: GPIO/EISA Bus I/O Base Address: Configurable via DIP switch (factory default: hexadecimal 228); Switches 1, 2, and 3 determine address selection; Switch 4 unused Data-In Clocking: Three selectable settings Physical Weight: 3 lbs per unit Key Features Dual Operating Modes: Compatibility Mode for legacy HP 98622 emulation; Enhanced Mode with auxiliary control lines Connection Flexibility: Configurable handshake methods, multiple data-latching options, and selectable data width and polarity Auxiliary Status and Control Lines: Extended control capability beyond base GPIO functionality Address Configuration: DIP switch-selectable I/O base address with conflict avoidance for multi-interface installations Typical Applications Data acquisition and control systems requiring connection to external devices without inherent protocol support. The card accommodates applications needing flexible handshaking, variable data widths, and custom control signaling. Compatibility & Integration Operating Systems: HP-UX versions 9.x and 10.x on Series 700 workstations; Microsoft Windows 95 or Windows NT on PCs Hardware Requirements: EISA/ISA expansion slot Installation: Standard card installation into expansion slot with DIP switch configuration of I/O base address prior to deployment

E2074 Characteristics / Specifications

PARAMETER	VALUE
Model	E2074
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	GPIO EISA Interface Card
Alias	E2074; HP E2074
Host Bus	EISA
Function	general purpose digital I/O
Related E20	ISA HP-IB 82341 family
Related E2078A	PCI GPIB HP-UX
Form	EISA add-in card
Not GPIB	GPIO not IEEE 488
Status	HP E2074 EOL
Software	HP GPIO/EISA drivers of the era
Host OS	HP-UX/PC EISA workstations
Documentation	E2074 GPIO
Use	digital fixture control
Identification	E2074
Power	EISA backplane
Connectors	GPIO header/cable
Logic	TTL class GPIO
Channels	GPIO bits per E2074 sheet
Not PCI	EISA
Not USB	legacy parallel GPIO
Installation	EISA slot; bus mastering per manual
ESD	card PCA Notes GPIO/EISA card identity from HP E2074. Bit count and connector pinout are on the E2074 sheet. Do not confuse with E2071 HP-IB.

E2074 Specifications

PARAMETER	VALUE
HP Agilent E2074 GPIO/EISA Interface Card	Overview
Key Features	- GPIO/EISA E2074
Technical Specifications	Model: E2074
Notes	GPIO/EISA card identity from HP E2074. Bit count and connector pinout are on the E2074 sheet. Do not confuse with E2071 HP-IB.

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	E2074
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	GPIO EISA Interface Card
Specifications	
PARAMETER	VALUE
Alias	E2074; HP E2074
Host Bus	EISA
Function	general purpose digital I/O
Specifications	
PARAMETER	VALUE
Related E2071	ISA HP-IB 82341 family
Related E2078A	PCI GPIB HP-UX
Form	EISA add-in card
Specifications	
PARAMETER	VALUE
Not GPIB	GPIO not IEEE 488
Status	HP E2074 EOL
Software	HP GPIO/EISA drivers of the era
Specifications	
PARAMETER	VALUE
Host OS	HP-UX/PC EISA workstations
Documentation	E2074 GPIO
Use	digital fixture control

Specifications

PARAMETER	VALUE
Identification	E2074
Power	EISA backplane
Connectors	GPIO header/cable

Specifications

PARAMETER	VALUE
Logic	TTL class GPIO
Channels	GPIO bits per E2074 sheet
Not PCI	EISA

Specifications

PARAMETER	VALUE
Not USB	legacy parallel GPIO
Installation	EISA slot; bus mastering per manual
ESD	card PCA

Notes

GPIO/EISA card identity from HP E2074. Bit count and connector pinout are on the E2074 sheet. Do not confuse with E2071 HP-IB.

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

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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.