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Data Sheet

August 1, 2026

HP

HP 3488A Switch/Control Unitw 3 x 44474A Cards

HP 3488A Switch/Control Unit with 3 × 44474A Digital I/O Cards The HP (Agilent / Keysight) 3488A is an HP-IB programmable switch/control mainframe for automated test interconnection. It holds any combination of up to five plug-in switch and control modules. This configuration includes three HP 44474A (Option 014) 16-bit digital input/output modules. Each 44474A provides 16 bidirectional I/O lines plus 4 TTL handshake/control lines for sensing and actuating external devices. The 3488A stores up to 40 complete switch configurations and supports break-before-make scanning and programmable scan lists. The HP (Agilent / Keysight) 3488A is an HP-IB programmable switch/control mainframe for automated test interconnection. It holds any combination of up to five plug-in switch and control modules. This configuration includes three HP 44474A (Option 014) 16-bit digital input/output modules. Each 44474A provides 16 bidirectional I/O lines plus 4 TTL handshake/control lines for sensing and actuating external devices. The 3488A stores up to 40 complete switch configurations and supports break-before-make scanning and programmable scan lists. ATE digital control and status sense; driving external relays and coaxial switches (for example HP 33311 series) via current-sink outputs; contact-closure sensing; combining digital I/O with other 3488A switch cards (MUX, matrix, VHF, microwave) in pro

No photo

MODEL

HP 3488A

CALIBRATION

N/A — off-catalog
OEM datasheet

CONDITION

See OEM
documentation

STATUS

Not listed on
Aumictech
inventory

RFQ / SKU

3488A

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

- 3488A Mainframe • HP-IB (GPIB) programmable switch/control unit • Up to 5 plug-in module slots • Up to 40 stored switch configurations • Multiple relay closures or break-before-make channel selection
- Programmable scan list combining closures and recalled configurations • Removable screw-terminal connectors on applicable modules • Built-in self-test

3488A Characteristics / Specifications

PARAMETER	VALUE
Mainframe Model	3488A
Manufacturer	Hewlett-Packard / Agilent Technologies (Keysight lineage) 3488A Mainframe
Instrument Type	Switch / control unit
Module Capacity	5 slots
Configuration Memory	40 registers
Power	86-132 V / 195-250 V switch selectable; 48-440 Hz; 18 VA
Environment	0 to 55 C; humidity 95% at 0 to 40 C
Size	89 mm H (without feet) x 425 mmWx 292 mm D (3.5 × 16.75 × 11.5 in); allow about 76 mm (3 in) extra depth for wiring
Weight	net about 8.5 kg (18.5 lb); shipping about 16 kg (36.5 lb)
Interface	HP-IB (SH1, AH1, T6, TE0, L4, LE0, SR1, RL1, PP0, DC1, DT1, E2 class) 44474A Digital I/O Module (each)
I/O Lines	16 bidirectional + 4 handshake/control
Maximum Voltage	+30 Vdc (line to chassis)
Output	V(high) greater than 2.4 V; V(low) less than 0.4 V
I(low) maximum	125 mA at V(low) less than 1.25 V; fused at 250 mA
Input	V(high) greater than 2 V; V(low) less than 0.8 V
Connector	screw terminal included Other Available 3488A Modules (context) 44470A 10-ch MUX; 44471A 10-ch GP relay; 44472A dual 4-ch VHF; 44473A 4×4 matrix; 44475A breadboard; 44476A/B microwave; 44477A Form-C; 44478A/B 1.3 GHz mux
Option 014	16-bit digital input/output module
Humidity	95% at 0 to 40 C

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

Mainframe Model: 3488A

Plug-in Modules: 3 x 44474A (Opt. 014)

Manufacturer: Hewlett-Packard / Agilent Technologies (Keysight lineage)

3488A Mainframe

Specifications

PARAMETER	VALUE
Instrument Type	Switch / control unit
Module Capacity	5 slots
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Interface	HP-IB (SH1, AH1, T6, TE0, L4, LE0, SR1, RL1, PP0, DC1, DT1, E2 class)

44474A Digital I/O Module (each)

Specifications

PARAMETER	VALUE
I/O Lines	16 bidirectional + 4 handshake/control
Maximum Voltage	+30 Vdc (line to chassis)
Output	V(high) greater than 2.4 V; V(low) less than 0.4 V
I(low) maximum	125 mA at V(low) less than 1.25 V; fused at 250 mA
Input	V(high) greater than 2 V; V(low) less than 0.8 V
Connector	screw terminal included

Other Available 3488A Modules (context)

44470A 10-ch MUX; 44471A 10-ch GP relay; 44472A dual 4-ch VHF; 44473A 4x4 matrix; 44475A breadboard; 44476A/B microwave; 44477A Form-C; 44478A/B 1.3 GHz mux

Standard Operating Conditions

Observe maximum voltage and current on digital lines. Do not exceed 125 mA sink per output. Use proper HP-IB cabling and address settings.

Operational Notes

44474A is digital I/O (Opt. 014), not the 44473A 4x4 matrix. Three cards provide 48 data lines total (plus

handshake lines per card). Confirm slot population and terminal wiring before energizing external loads.

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

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

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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.