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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP N2264A Multifunction Module (12 + 3 GP + 16-bit Digital I/O)

Agilent N2264A Multifunction Switch Module 12 plus 3 GP plus 16-bit Digital I/O The Agilent N2264A isaplug-in multifunction module for the 3499A/B/C switch/control family. It combines 12 general-purpose relays plus 3 high-current GP relays plus 16-bit digital I/O in one slot. Used to mix analog switching and digital control in a 3499 mainframe. 3499A/B/C ATE switching; mixed GP relay and digital I/O; high-current GP switching on the 3 heavy relays; fixture control bits. The Agilent N2264A isaplug-in multifunction module for the 3499A/B/C switch/control family. It combines 12 general-purpose relays plus 3 high-current GP relays plus 16-bit digital I/O in one slot. Used to mix analog switching and digital control in a 3499 mainframe. 3499A/B/C ATE switching; mixed GP relay and digital I/O; high-current GP switching on the 3 heavy relays; fixture control bits.



MODEL

**Keysight / Agilent /
HP N2264A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2264A

LISTING

[https://aumictechlabs.c
om/products/n2264a-
2/](https://aumictechlabs.com/products/n2264a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N2264A Multifunction Module integrates 12 general-purpose relays, 3 high-current relays, and 16-bit digital I/O into a single unit for data acquisition and control applications. This consolidated design reduces space requirements and system costs while delivering high-speed

parallel switching with built-in relay cycle counters and comprehensive channel protection.

Technical Specifications

Digital I/O 16 bi-directional lines, TTL compatible 3 lines dedicated for handshaking Individually addressable as bit-by-bit, dual 8-bit ports, or single 16-bit port 0.6 A sink capability per line for external device control

General Purpose Relay Channels 12 channels

Switching: up to 200 V, 1 A, 60 W or 62.5 VA

High-Current Relay Channels 3 channels

Switching: up to 5 A at 125 VDC or 200 V AC RMS

Protection Zener diode on each channel for input overvoltage protection (>42 V DC) ESD protection on all channels

Key Features

High-speed switching in parallel operation Built-in relay cycle counters TTL-compatible digital I/O with flexible addressing modes Screw and crimp terminal blocks for field wiring

N2294A Connector Block available as accessory DIN96-to-D25/D50 cable options provided

Typical Applications

The N2264A addresses data acquisition, automated test systems, and control applications requiring mixed-signal switching and digital I/O in compact form factors. High-current channels handle loads up to 5 A, while general-purpose relays manage lower-power switching tasks. TTL-compatible digital lines support handshaking protocols in parallel measurement systems.

Compatibility & Integration

Designed for modular instrument chassis supporting the N2264A architecture. Compatible with the 3499A/B/C series and similar mainframe systems. Complete terminal block and cabling accessories ensure field integration flexibility. Product is obsolete; support through existing documentation and available technical overviews.

Features & description

From manufacturer datasheet

Features

- Multifunction: 12 GP + 3 high-current GP + 16-bit DIO

N2264A Characteristics / Specifications

PARAMETER	VALUE
Model	N2264A
Manufacturer	Agilent / Keysight
Instrument Type	Multifunction Switch and Digital I/O Module
Family	3499A/B/C switch plug-ins
Alias	N2264A; Agilent N2264A
GP Relays	12 general purpose
High Current GP	3 additional GP relays
Digital I/O	16 bit
Host Mainframes	3499A 3499B 3499C
Slot Use	1 module slot
Terminal Block	N2291A screw terminal (this catalog)
Related N2260A	multiplexer module
Related N2261A	GP relay module
Related N2266A	matrix module
Voltage Class GP	200 V class 3499 GP family (confirm N2264A sheet)
Current Class Standard GP	1 A class
Current Class High GP	higher current on the 3 GP channels (confirm sheet)
DIO Logic	TTL class 16-bit port
Scan/Control	3499 SCPI
Form	3499 plug-in (not VXI)
Cooling	3499 mainframe airflow
Status	Agilent N2264A EOL
Isolation	relay open/closed per GP family
Operate Time	3499 GP relay class
Digital Direction	programmable I/O bits

PARAMETER	VALUE
Mating	N2291A or equivalent terminal
Not 34970A	different mainframe than 34970A/34980A
Related Rack	3499A-1CM rack kit
Software	3499 IntuiLink / SCPI Notes Channel mix from Agilent N2264A multifunction module description (12+3 GP + 16-bit DIO) for 3499A/B/C. Confirm high-current relay amp rating and voltage on the N2264A specifications page. Pair with N2291A terminal block.
Multifunction	12 GP + 3 high-current GP + 16-bit DIO

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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Digital Direction	programmable I/O bits
Mating	N2291A or equivalent terminal
Not 34970A	different mainframe than 34970A/34980A

Related Rack: 3499A-1CM rack kit

Software: 3499 IntuiLink / SCPI

Notes

Channel mix from Agilent N2264A multifunction module description (12+3 GP + 16-bit DIO) for 3499A/B/C. Confirm high-current relay amp rating and voltage on the N2264A specifications page. Pair with N2291A terminal block.

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.