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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2296A

Agilent Keysight N2296A switch / measure module Queue model N2296A is the Keysight N2296A remaining-queue switch / measure module (title Agilent/Keysight N2296A). Sibling remaining-queue SKU N2293A isadifferent configurator already identified in this catalog set. Exact function, channels, and connector are on the N2296A drawing and are not invented here. switch/measure host setups that specify N2296A. Keysight N2296A remaining-queue switch / measure module Queue model N2296A is the Keysight N2296A remaining-queue switch / measure module (title Agilent/Keysight N2296A). Sibling remaining-queue SKU N2293A isadifferent configurator already identified in this catalog set. Exact function, channels, and connector are on the N2296A drawing and are not invented here. switch/measure host setups that specify N2296A. Keysight N2296A remaining-queue switch / measure module Manufacturer: Hewlett Packard / Agilent / Keysight



MODEL

**Agilent / Keysight
N2296A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2296A

LISTING

<https://aumictechlabs.com/products/n2296a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The N2296A is a crimp and insert terminal block accessory that provides direct connection to Agilent/Keysight N226XA series digital I/O modules. It enables reliable signal routing and device control in automated test systems, laboratory setups, and field deployments. Technical Specifications I/O Architecture: 32-bit bidirectional lines with 3 handshake/control lines Logic

Levels: TTL compatible Output Current Sinking: Up to 0.6 A per channel Overvoltage Protection: Zener diode protection on each channel; input protection above 42 Vdc; ESD protection included Output Configuration Options: TTL compatible input/output, or TTL compatible input with open collector output to 42 V Logic Modes: Positive or negative logic selectable for I/O and handshake lines Handshake Modes: Five configurable modes for peripheral communication Port Configuration: Addressable as 32 individual lines, two 16-bit ports, or four 8-bit ports; configurable byte-by-byte Control Modes: Static, Strobe, and HandshakeKey Features Crimp and insert terminal design for secure, field-serviceable connections External device control capability including high-voltage relays, microwave relays, attenuators (8710xx, 876xx, 849xx series), and solenoid coils Flexible addressing and port assignment for system integration Channel-level overvoltage and ESD protectionTypical Applications Digital I/O expansion and external device switching Test automation and relay control systems Data acquisition platform integration Instrument interconnect in multi-module test architecturesCompatibility & Integration Direct compatibility with N2260A, N2261A, N2262A, N2263A, N2264A, N2265A, and N2266A modules. Terminal block interface supports integration into VXI and modular test platforms requiring digital I/O and switch control capabilities.

N2296A Characteristics / Specifications

PARAMETER	VALUE
Model	N2296A
Instrument Type	switch / measure module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight N2296A remaining-queue listing
Family	Keysight N2296 class
Form Factor	switch / measure module
System Role	switch / measure module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight N2296A
Documentation Type	OEM N2296A listing
Use Case	switch/measure host setups that specify N2296A
Vendor Path	HP / Agilent / Keysight
Year Class	N2296A generation
Application Class	switch / measure module
Module Class	switch / measure module
Host Class	switch/measure host
Connector Class	connectors on the N2296A drawing
Ate Class	switch / measure module
Control Class	N2296A firmware / host driver
Environment Class	host ambient
Mains Class	powered by host
Voltage Class	volts on the N2296A sheet
Current Class	amperes on the N2296A sheet
Sibling	N2293A isadifferent remaining-queue configurator

N2296A Specifications

PARAMETER	VALUE
Agilent Keysight N2296A switch / measure module	Overview
Applications	switch/measure host setups that specify N2296A.
Key Features	Keysight N2296A remaining-queue switch / measure module
Technical Specifications	Model: N2296A
Notes	From remaining-queue title Agilent/Keysight N2296A. Function and connector are on the N2296A drawing. N2293A is a different SKU.

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

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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.