

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight Z2404B

Agilent/Keysight Z2404B Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
Z2404B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Z2404B

LISTING

<https://aumictechlabs.com/products/z2404b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight Z2404B is a C-Size VXIbus module that delivers 64 isolated digital input channels for high-density signal acquisition and edge detection. Configurable as four 16-bit ports, It has interrupt-driven monitoring with programmable debounce, edge selectivity, and flexible input thresholding from 5 V to 48 V. Each channel withstands 115 Vac RMS or 115 Vdc ground potential difference, making it suitable for industrial and laboratory test applications requiring galvanic isolation and reliable state capture. Technical Specifications Module Type: Register-based VXIbus, C-Size, 1-Slot form factor Digital Input Channels: 64 isolated channels organized as four 16-bit ports Channel Isolation: Full electrical isolation between channels, power, and ground (115 Vac RMS or 115 Vdc withstand voltage per channel) Input Threshold: Jumper-selectable logic

levels from 5 V to 48 V Interrupts: 64 available, maskable and edge-selectable (positive, negative, or both polarities) Debounce: Time-programmable with two independent clock sources (ports 0–1 and ports 2–3) Internal Clock: 1.0 MHz sample clock; external capture clock supported Pull-up Supply: On-board 5 V

Key Features Simultaneous transition monitoring and edge event detection across all 64 channels Level sensing with programmable magnitude and duty cycle parameters Dual-clock debounce architecture for independent port group control Channels function as edge detect inputs and/or data capture inputs

Typical Applications Electronics test and measurement in development and manufacturing environments Quality assurance workflows requiring multi-channel state monitoring Research applications demanding isolated, high-channel-count digital acquisition

Compatibility & Integration Operates within C-Size VXIbus mainframes via standard VXIbus interface.

Z2404B Characteristics / Specifications

PARAMETER	VALUE
Model	Z2404B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight Z2404B
Sku	Z2404B
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	Z2404B
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	Z2404B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight Z2404B
Sku	Z2404B
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	Z2404B
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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.