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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1330A

Agilent E1330A Quad 8 Bit Digital Input Output The Agilent/Keysight E1330A isaB-size, 1-slot, register-based VXI quad 8-bit digital I/O module providing four independent 8-bit ports. OEM SeriesBmaterials and E1330B manuals describe the same quad-port architecture with TTL-compatible logic levels (5 V max) and VME D16/D8(O) register access; E1330A is the predecessor to E1330B. Byte-wide digital control, status sensing, and general-purpose TTL I/O in B-size VXI data acquisition systems. VXI Device Type: register based slave interrupter The Agilent/Keysight E1330A isaB-size, 1-slot, register-based VXI quad 8-bit digital I/O module providing four independent 8-bit ports. OEM SeriesBmaterials and E1330B manuals describe the same quad-port architecture with TTL-compatible logic levels (5 V max) and VME D16/D8(O) register access; E1330A is the predecessor to E1330B. Byte-wide digital control, status sensing, and general-purpose TTL I/O in B-size VXI data acquisition systems. VXI Device Type: register based slave interrupter Default Use Mainframes: E1300/E1301 SeriesBProgramming: SCPI with SeriesBcontroller or register based



MODEL

**Agilent / Keysight
E1330A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1330A

LISTING

<https://aumictechlabs.com/products/e1330a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E1330A is a VXI module designed for digital data acquisition and control applications. It functions as a quad 8-bit digital input/output module, offering versatility in interfacing with various systems. This module is B-size and occupies a single slot within a VXI

chassis. Technical Specifications * Module Type: Quad 8-bit Digital Input/Output Module VXI Form Factor: B-size, 1-slot Ports: Four independent 8-bit digital I/O ports. Port Configuration: Each 8-bit port can be individually configured in software for either input or output operation. Logic Polarity: Ports can be configured for positive or negative true logic. Data Transmission: * Individual 8-bit data transmissions. * Ports can be combined for byte (8-bit), word (16-bit), and long word (32-bit) data transmissions. * Bit-level data transmissions are also supported. Handshake and Control: * Each port includes three handshake and control lines. * These lines can be used independently or combined for word/long word data transmission, particularly when using SCPI programming. * The flag line from each port can be utilized independently or aggregated. Interrupt Handling (E1330A vs. E1330B): * The E1330A implements "release on register access" (RORA) for its interrupt circuitry. This means the interrupt request line remains asserted until the Port Control/Status register is accessed. * The E1330B, a related module, uses "release on interrupt acknowledge" (ROAK), aligning with most other VXI cards. Compatibility: * Can be used with command modules such as E1300A, E1301A, E1306A, and with VXI modules E1405A/B and E1406A. * Direct backplane control using C-SCPI, ISCPi in SICL, and plug-and-play drivers are not supported with the E1330A due to its RORA interrupt implementation. The E1330B supports these drivers. Interfaces * Digital I/O: Four independent 8-bit digital I/O ports. Handshake/Control Lines: Three per port. VXI Interface: Standard VXI backplane interface for integration into VXI systems. Physical * Form Factor: B-size, 1-slot VXI module. Compatibility * VXI Systems: Designed for use within VXI (VME eXtensions for Instrumentation) systems. Command Modules: Compatible with Agilent/HP command modules E1300A, E1301A, and E1306A. Other VXI Modules: Compatible with Agilent/HP VXI modules E1405A/B and E1406A. Software/Driver Limitations: * Does not support direct backplane control via C-SCPI, ISCPi in SICL, or plug-and-play drivers due to its interrupt handling mechanism (RORA). Electrical Characteristics * Logic Level: Compatible with TTL logic levels. Why Choose Aumictech for Agilent/Keysight E1330A? At Aumictech, we specialize in supplying VXI instrumentation and data acquisition equipment. Whether you need versatile digital I/O for complex control systems, reliable signal interfacing for laboratory testing, or solid modules for enterprise procurement, our team ensures the Agilent/Keysight E1330A delivers maximum performance for your application.

E1330A Characteristics / Specifications

PARAMETER	VALUE
Digital Ports	4
Bits Per Port	8
Total Digital Lines	32
Logic Levels	TTL compatible, 5 V max
VXI Device Type	register based slave interrupter
Data Transfer Modes	VME D16 and D8(O)
Module Size	B
Slots Occupied	1
Connectors	P1
Shared Memory	None
Product Family	E13xx SeriesBplug in
Default Use Mainframes	E1300/E1301 SeriesBProgramming: SCPI with SeriesBcontroller or register based
Logical Address	switch selectable
Port Direction	programmable digital I/O
Power Rail	+5 V VXI
Related Successor	E1330B
Operating Temperature Class	0 to 55 C
Form Factor	B-size VXI
Handshake Class	static and strobed I/O class
Interrupt Class	VXI interrupt capableCSize Path: E1403 adapter for C-size mainframes
Command Module Support	E1306A / E1406A family
Operating temperature	Class: 0 to 55 C

E1330A Specifications

PARAMETER	VALUE
Agilent E1330A Quad 8 Bit Digital Input Output	Overview
Key Features	Four independent 8 bit ports
TTL compatible logic levels	Register based A16 programming
Technical Specifications	Digital Ports: 4

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Handshake Class	static and strobed I/O class
Interrupt Class	VXI interrupt capableCSize Path: E1403 adapter for C-size mainframes
Command Module Support	E1306A / E1406A family Notes Port count, TTL 5 V max, and D16/D8(O) register identity from Agilent/HP E1330B user's manual AppendixAand SeriesBconfiguration guides describing E1330A/B. Confirm absolute I/O voltage/current timing on the installed module faceplate/manual.

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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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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30-day returns
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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.