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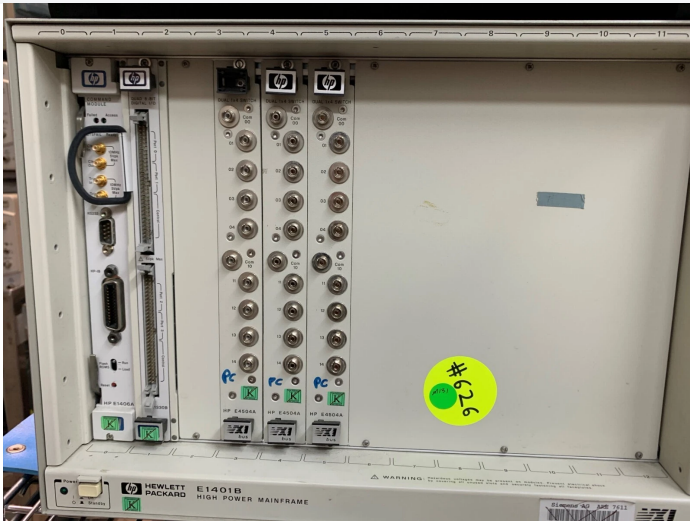
Data Sheet

August 1, 2026

HP

HP 3 X E4504A AND E1330B

This is a combination of HP E4504A and E1330B, likely referring to electronic test and measurement equipment. The E4504A is a VXI interface module and the E1330B is a digital multimeter module, offering capabilities for data acquisition and instrument control in VXI-based systems. These modules are designed for automated testing and measurement applications.

**MODEL****HP
E4504A/E1330B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E4504A/E1330B****LISTING**<https://aumictechlabs.com/products/e4504a-e1330b-2/>

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NAICS 423690 • 811210 • 541380

This unit

The HP E4504A and E1330B are complementary VXI modules that expand automated test system capabilities through optical switching and digital I/O control. The E4504A is a C-size single-slot dual optical 1×4 multiplexer for optical signal routing in VXI-based measurement systems. The E1330B is a B-size single-slot quad 8-bit digital input/output module offering configurable port logic, multi-word data transmission modes, and handshaking control lines for instrument integration. Technical Specifications HP E4504A Optical Multiplexer Module type: VXI Interface Module Form factor: Single-slot, C-size Configuration: Dual independent 1×4 optical multiplexer paths HP E1330B Digital I/O Module Module type: VXI Digital Input/Output Module Form factor: Single-slot, B-size, register-based Port configuration: Quad 8-bit digital input or output ports Data transmission modes: Bit, byte (8-bit), word (16-bit), long word (32-bit) Logic support: Positive or

negative true logic per port Handshake lines: FLG (Flag), CTL (Control), I/O (Input/Output status) Control lines: PIR (Peripheral Interrupt), /RES (Peripheral Reset), STS (Status) Interrupt handling: Release on Interrupt Acknowledge (ROAK) Standard accessories: Two 3-meter, 60-wire ribbon cables with insulation displacement header connectors

Key Features

- Independent optical path switching via dual 1×4 multiplexer architecture
- Per-port input/output configuration without module reconfiguration
- Multi-level handshaking and interrupt support for complex test sequences
- ROAK interrupt circuitry compatible with C-SCPI, ISCPi in SICL, and VXi plug&play drivers
- Flexible data word alignment for 8-bit through 32-bit operations

Typical Applications

- Automated optical signal routing and multiplexing in test systems
- Digital instrument control and status monitoring
- Multi-channel data acquisition with handshake synchronization
- Custom interrupt-driven test sequence management

Compatibility & Integration

Both modules integrate into VXi bus-compliant mainframes. The E4504A occupies C-size slots directly. The E1330B operates in B-size slots or requires an E1403C Adapter for C-size mainframe installation. Supported command modules include E1300A/E1301A, E1306A, and E1405A/B/E1406A. The HP Digital I/O Driver enables operation with B-size mainframes or HP E1405/06 Command Modules in C-size configurations.

Features & description

From manufacturer datasheet

Features

- E4504A (each)
- Single-slot, C-size VXI optical multiplexer / switch module
- Dual 1×4 optical multiplexer configuration (Artisan / Keysight secondary descriptions)
- Optical connectors commonly FC/PC on used units (confirm on faceplate)
- Used to route optical signals under VXI system control

E4504AE1330B Characteristics / Specifications

PARAMETER	VALUE
HP / Agilent E4504A Dual Optical Multiplexer and E1330B Quad Digital I/O (Lot	3 x E4504A and E1330B) Overview This listing describes a VXI module lot consisting of three HP/Agilent E4504A dual optical multiplexer modules and one HP/Agilent E1330B quad 8-bit digital input/output module. The E4504A is a single-slot C-size VXI optical switch/multiplexer (commonly described as a dual 1×4 optical multiplexer; some secondary indexes also list related 2×1×8 optical switch nomenclature). The E1330B is a B-size, 1-slot, register-based VXI digital I/O card with four 8-bit ports (32 channel
Lot Contents	3 x E4504A + 1 x E1330B
Manufacturer	Hewlett-Packard / Agilent Technologies (Keysight lineage) E4504A
Model	E4504A
Instrument Type	Dual optical 1×4 multiplexer (VXI C-size, 1 slot)
Optical Interface	Fiber optic; FC/PC common on refurbished units
Form Factor	B-size VXI, 1 slot, register-based
Weight	approximately 5 lb class per module (secondary listings) E1330B
Channels	32 (four x 8-bit ports)
Logic	TTL compatible, 5 V maximum
Power	+5 V from VXI backplane (peak current per Agilent manual appendix)
Documentation	User manual / SCPI programming guide part number E1330-90007 class Standard Operating Conditions Install in a compatible VXI mainframe with adequate slot power and cooling. Match optical connector polish and fiber type before mating. Observe electrostatic discharge precautions for digital I/O wiring.
Each port	data plus handshake/control lines; positive or negative true logic
Fiber type	before mating. Observe electrostatic discharge precautions for digital I/O wiring.

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

Lot Contents: 3 x E4504A + 1 x E1330B

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

E4504A

Specifications

PARAMETER	VALUE
Model	E4504A
Instrument Type	Dual optical 1x4 multiplexer (VXI C-size, 1 slot)
Optical Interface	Fiber optic; FC/PC common on refurbished units
Form Factor	C-size VXI, single slot
Weight	approximately 5 lb class per module (secondary listings)

E1330B

Specifications

PARAMETER	VALUE
Model	E1330B
Instrument Type	Quad 8-bit digital I/O module
Form Factor	B-size VXI, 1 slot, register-based
Channels	32 (four x 8-bit ports)
Logic	TTL compatible, 5 V maximum
Power	+5 V from VXI backplane (peak current per Agilent manual appendix)
Documentation	User manual / SCPI programming guide part number E1330-90007 class

Standard Operating Conditions

Install incompatible VXI mainframe with adequate slot power and cooling. Match optical connector polish and fiber type before mating. Observe electrostatic discharge precautions for digital I/O wiring.

Operational Notes

Quantity "3 x E4504A" means three separate optical multiplexer modules, not a triple-switch inside one card. Confirm each E4504A optical configuration and connector type on the physical modules. The E1330B is electrical digital I/O only; it does not switch optical paths.

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

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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.