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Data Sheet

August 14, 2026

AGILENT / NATIONAL INSTRUMENTS

Agilent / National Instruments E1482B VXI-MXI w/ INTX PCB Assembly

The Agilent/Keysight E1482B isaC-size VXI-MXI extender module used to extend VXIbus systems across multiple mainframes. OEM E1406 configuration guides describe E1482B as the Slot 0 MXIbus extender in Series 700/MXI systems, maintaining high-throughput multi-mainframe operation with the E1406A MXIbus resource manager. Multi-mainframe VXI systems, MXI extended racks, and distributed VXI ATE with shared resource manager hierarchy. Works with E1406A MXIbus resource manager Csize VXI module VXI Role: Slot 0 extender in recommended MXI configurations System Controller: configurable enable/disable Bus Timeout: configurable with command module CLK10: participates in multi-mainframe clock strategy Documentation: E1482B / E1406 MXI configuration guides



MODEL

Agilent / National Instruments E1482B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1482B

LISTING

<https://aumictechlabs.com/products/e1482b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/National Instruments E1482B is a C-size, 1-slot VXIbus Extender module that bridges external controllers to VXI mainframes via MXIbus connectivity. This register-based module enables multiple VXI mainframes to operate as a unified system and supports daisy-chain configurations for multi-mainframe test architectures. The E1482B includes Interrupt and Timing

Extension (INTX) functionality, delivering extended CLK10, programmable trigger lines, seven VXIbus interrupt lines, and system control signal extensions (SYSFAIL*, ACFAIL*, SYSRESET*). Technical Specifications Form Factor: C-size, 1-slot VXI module Interface: MXIbus with INTX PCB assembly Data Transfer Rate (MXIbus): 2.0 MB/s (16-bit), 4.0 MB/s (32-bit) MXIbus Configuration: Supports up to 8 devices per link; maximum cable length 20 meters INTX Cable Bus: RS-485 transceivers; 10 Mbaud maximum data rate at distances up to 12 meters; multi-point support for up to 32 drivers/receivers Integrated Block Mode: data transfer capability Key Features CLK10 input/output extension via INTX connector One of eight programmably selected triggering input/output lines Seven VXIbus-defined interrupt lines Extensions for SYSFAIL*, ACFAIL*, and SYSRESET* control signals SMB connector with minimal CLK10 and trigger/interrupt line extensions VXIplug&play-compatible interface Slot 0 installation in VXI mainframes when used with external workstation controllers Typical Applications Multi-mainframe VXI system integration External workstation controller connection to VXI mainframes Automated test system architecture expansion Data acquisition setup interconnection Compatibility & Integration The E1482B integrates with external workstation controllers and VXI mainframes via MXIbus daisy-chain topology, enabling coordinated instrument control across multiple chassis. Compliance with VXIplug&play standards ensures compatibility within broader test automation ecosystems.

E1482B Characteristics / Specifications

PARAMETER	VALUE
Product Type	VXIbus MXI extender
Module Size	C
Slots Occupied	1
VXI Role	Slot 0 extender in recommended MXI configurations
Related Command Module	E1406A
Related Host Interface	E1489I MXIbus controller interface class
Typical Host	HP Series 700 with MXI
MXIbus Resource Manager	via E1406A or host RM
Connectors	P1/P2 plus MXI cable interface
VXI Compliance Class	Rev 1.4 class systems
Operating Temperature Class	0 to 55 C
Logical Address	configurable for commander/servant hierarchy
System Controller	configurable enable/disable
Bus Timeout	configurable with command module
CLK	participates in multi-mainframe clock strategy
Form Factor	C-size VXI
Documentation	E1482B / E1406 MXI configuration guides
Throughput Goal	maintain high throughput vs multi-frame GPIB-only
Trigger Extension	TTL/ECL trigger strategies per config guide
Shared Memory Mapping	system dependent
Programming	transparent to message based instruments
Related Extender Family	E1482A/B
Operating temperature	Class: 0 to 55 C

E1482B Specifications

PARAMETER	VALUE
Agilent E1482B VXIbus MXI Extender	Overview
VXIbus to MXIbus extension	Slot 0 capable extender
Technical Specifications	Product Type: VXIbus MXI extender

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Form Factor	C-size VXI
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Throughput Goal	maintain high throughput vs multi-frame GPIB-only
Trigger Extension	TTL/ECL trigger strategies per config guide
Shared Memory Mapping	system dependent
Programming	transparent to message based instruments
Related Extender Family	E1482A/B Notes Role and recommended Slot 0 / Series 700 hierarchy from Agilent E1406A configuration guide sections on E1482B. Confirm cable length limits and switch settings in the E1482B 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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Programming	transparent to message based instruments
Related Extender Family	E1482A/B
Notes	
Role and recommended Slot 0 / Series 700 hierarchy from Agilent E1406A configuration guide sections on E1482B. Confirm cable length limits and switch settings in the E1482B manual.	

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.