

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology EX2500 LXI-VXI Gigabit Ethernet Slot 0 Interface

AMETEK VTI EX2500 LXI-VXI Gigabit Ethernet Slot 0 Interface The VTI EX2500 is the LXI-VXI gigabit Ethernet Slot 0 interface in the same product line as EX2500A. OEM EX2500A specification tables list 1-slot C-size Slot 0, 40 MB/s block moves, 256 MB DDR, LXI 1.0 Class A, A16/A24/A32, and optional TCXO/OCXO CLK10; confirm whether the installed unit is EX2500 or EX2500A silkscreen. VXI mainframe Slot 0 control over gigabit Ethernet for hybrid LXI/VXI automated test. LXI Compliance: LXI 1.0 Class A Block Move Rate: 40 MB/s The VTI EX2500 is the LXI-VXI gigabit Ethernet Slot 0 interface in the same product line as EX2500A. OEM EX2500A specification tables list 1-slot C-size Slot 0, 40 MB/s block moves, 256 MB DDR, LXI 1.0 Class A, A16/A24/A32, and optional TCXO/OCXO CLK10; confirm whether the installed unit is EX2500 or EX2500A silkscreen. VXI mainframe Slot 0 control over gigabit Ethernet for hybrid LXI/VXI automated test. LXI Compliance: LXI 1.0 Class A Block Move Rate: 40 MB/s Processor: 825 MHz listed in user manual 833 MHz on some datasheet rows



MODEL

**Ametek / VTI
Instruments / VXI
Technology
EX2500**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EX2500

LISTING

<https://aumictechlabs.com/products/ex2500-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek/VTI Instruments/VXI Technology EX2500 is a LXI-VXI Gigabit Ethernet Slot 0 Interface that bridges LXI and VXI systems for high-speed communication in complex test and measurement environments. It extends VXI capabilities to external hosts via Ethernet while maintaining backward compatibility with legacy systems and supporting modern network-based instrumentation control.

Technical Specifications

Connectivity Primary interface: Gigabit Ethernet (LXI-VXI) Host connection via CAT5e Ethernet cable up to 200 meters Fiberoptic connection available for distances up to 10 km from PC to mainframe

VXI Trigger Bus extension across multiple mainframes via LXI-compliant LVDS front panel connectors

External Clock In/Out with on-board TCXO/OCXO options

SMB connectors for single-line legacy trigger input/output

Data Transfer Performance Block transfer rate exceeds 40 MB/s utilizing DMA controller

Message-based (word-serial) command performance maintained without compromise

LXI Class B synchronization for high-resolution measurements across instrumentation networks (tens of nanoseconds)

Key Features

LXI standard VXI-11 instrument discovery mechanism for simplified hybrid system integration

Eight VXI TTL triggers extended across distributed systems

Embedded web interface for interactive control and monitoring

System status display including installed VXI hardware, memory allocation, IP configuration, and logical addressing via HTML LXI-style web page

Direct device communication through message or register-based commands accessible via embedded interface

Compatibility & Integration

Backward compatible with VXI 1.4 and 2.0 products

Fully compliant with VXIplug&play specifications

VISA (Virtual Instrument Software Architecture) API communication layer

Standard VISA I/O library included, compatible with Agilent Technologies and National Instruments VISA versions

Preserves existing Test Procedure Software (TPS) and driver development investments

EX2500 Characteristics / Specifications

PARAMETER	VALUE
Model	EX2500A
Size	1 slotCsize
Mass	2.5 lb 1.1 kg
Slot 0 Capability	yes
Resource Manager	embedded
Address Space	A16 A24 A32
VXI Revision	1.4 2.0 3.0
LXI Compliance	LXI 1.0 ClassABlock Move Rate: 40 MB/s
DRAM Standard	256 MB 333 MHz DDR SDRAM
DRAM Optional	up to 2 GB
Processor	825 MHz listed in user manual 833 MHz on some datasheet rows
Ethernet Protocol	TCP/IP VXI-11
Copper Reach	100 m point to point Cat 5e 10/100/1000
Fiber Reach	up to 10 km with SFP 1000BASE SX or LX
CLK10 Standard	plus or minus 50 ppm uses VXI 10 MHz
TCXO Option Aging	plus or minus 1e-6 per year
OCXO Option Aging	plus or minus 1e-7 per year
OCXO Warm Up	less than 3 minutes
Trigger Support	VXI TTL 0-7 LXI 0-7 EXT TRIG IN/OUT
VISA	VXIplug and play compliant
Operating Temperature	0 C to plus 50 C
Operating Humidity	5 to 85 percent RH
Humidity	5 to 85 percent RH

EX2500 Specifications

PARAMETER	VALUE
Applications	VXI mainframe Slot 0 control over gigabit Ethernet for hybrid LXI/VXI automated test.
Key Features	Gigabit Ethernet VXI Slot 0
LXI Class A trigger bus	Optional precision CLK10
Technical Specifications	Model: EX2500A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to plus 50 C
Operating Temperature	0 C to plus 50 C
Humidity	5 to 85 percent RH
Operating Humidity	5 to 85 percent RH Notes From VTI EX2500A datasheet/user manual applied to queue model EX2500 in the same LXI-VXI Slot 0 family. Faceplate may read EX2500 or EX2500A.

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	
PARAMETER	VALUE
Model	EX2500A
Size	1 slotCsize
Mass	2.5 lb 1.1 kg
Slot 0 Capability	yes
Resource Manager	embedded
Address Space	A16 A24 A32
VXI Revision	1.4 2.0 3.0
LXI Compliance	LXI 1.0 ClassABlock Move Rate: 40 MB/s
DRAM Standard	256 MB 333 MHz DDR SDRAM
DRAM Optional	up to 2 GB
Processor	825 MHz listed in user manual 833 MHz on some datasheet rows
Ethernet Protocol	TCP/IP VXI-11
Copper Reach	100 m point to point Cat 5e 10/100/1000
Fiber Reach	up to 10 km with SFP 1000BASE SX or LX
CLK10 Standard	plus or minus 50 ppm uses VXI 10 MHz
TCX0 Option Aging	plus or minus 1e-6 per year
OCX0 Option Aging	plus or minus 1e-7 per year
OCX0 Warm Up	less than 3 minutes
Trigger Support	VXI TTL 0-7 LXI 0-7 EXT TRIG IN/OUT
VISA	VXIplug and play compliant
Operating Temperature	0 C to plus 50 C
Operating Humidity	5 to 85 percent RH
Notes	
From VTI EX2500A datasheet/user manual applied to queue model EX2500 in the same LXI-VXI Slot 0 family. Faceplate may read EX2500 or EX2500A.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.