

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology VT6065-4 4-Channel Serial Interface Module

VTI Instruments VT6065-4 4 Channel Serial Interface Module The VTI Instruments VT6065-4 is a 4-channel serial interface module (peer VM6068 high-performance serial). VTI/VXI Technology serial-interface literature describes VXIbus message-based serial I/O with multiple UART channels, programmable baud, and RS-232/422/485 electrical options for ATE. Multi-channel serial stimulus/response in VXI ATE, instrument control, and RS-422/485 plant interfaces. Instrument Type: 4 channel serial interface module The VTI Instruments VT6065-4 is a 4-channel serial interface module (peer VM6068 high-performance serial). VTI/VXI Technology serial-interface literature describes VXIbus message-based serial I/O with multiple UART channels, programmable baud, and RS-232/422/485 electrical options for ATE. Multi-channel serial stimulus/response in VXI ATE, instrument control, and RS-422/485 plant interfaces. Instrument Type: 4 channel serial interface module Manufacturer: VTI Instruments VXI Technology Ametek



MODEL

**Ametek / VTI
Instruments / VXI
Technology
VT6065-4**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VT6065-4

LISTING

<https://aumictechlabs.com/products/vt6065-4-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek/VTI Instruments/VXI Technology VT6065-4 is a single-slot C-size VXI module delivering 4 independent serial communication channels for instrument control and data acquisition in VXIbus-based test systems. Each channel supports RS-232, RS-422, RS-423, and RS-485 protocols - selectable via software without hardware modification - enabling flexible integration with diverse peripherals and devices across baud rates from 1.7 baud to 125 kbaud.

Technical Specifications

Module Type: 4-Channel Serial Interface Module VXIbus

Compatibility: C-size, Message-based, Revision 1.4

Serial Protocols: RS-232, RS-422, RS-423, RS-485 (software-configurable per channel)

Baud Rate: Programmable 1.7 baud to 125 kbaud; rates up to 38,400 baud supported without dead time

Memory: 512 kB transmit/receive, user-allocatable across channels

Data Length: Programmable

Parity: None, odd, even, or mark selectable

Stop Bits: Programmable

Handshaking: XON/XOFF (software) or RTS/CTS (hardware), selectable per channel

Control Lines: Data Terminal Ready (DTR) and Data Set Ready (DSR)

Power Supply: +5 V

Physical: Single-slot C-size, 2.20 lb (1 kg)

Key Features

- Per-channel loopback self-test at line driver/receiver level under program control
- SCPI-compliant device-dependent commands for standardized instrument communication
- Non-volatile memory storage for configuration profiles
- Independent channel operation with flexible memory allocation

Typical Applications

- Multi-device serial instrument control in automated test environments
- Data acquisition from RS-232/422/423/485 peripherals
- Legacy equipment integration within modern VXI test frameworks

Compatibility & Integration

Full VXIbus platform compatibility with VXIplug&play driver support and SCPI command set compliance.

VT6065 Characteristics / Specifications

PARAMETER	VALUE
Model	VT6065-4
Instrument Type	4 channel serial interface module
Channel Count	4
Host Bus	VXI
Manufacturer	VTI Instruments VXI Technology Ametek
Related Model	VM6068
Electrical Class	RS-232/422/485
Baud	programmable
Mechanical Package	VXICsize class
Device Type	message based class
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8
Stop Bits	1/2
Parity	none even odd
Buffer Class	UART FIFO
Grounding	chassis ground
Operating temperature	Class: 0 to 55 C VXI

VT6065 Specifications

PARAMETER	VALUE
Applications	Multi-channel serial stimulus/response in VXI ATE, instrument control, and RS-422/485 plant interfaces.
Key Features	4 serial channels
Programmable baud	RS-232/422/485 class
Technical Specifications	Model: VT6065-4

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C VXI
Operating Temperature	Class: 0 to 55 C VXI
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8
Stop Bits	1/2
Parity	none even odd
Buffer Class	UART FIFO
Grounding	chassis ground Notes Identity from Ametek/VTI VT6065-4 4-Channel Serial Interface Module listing. Exact electrical interface per channel is on the VT6065 datasheet matching the -4 SKU.

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 serial). VTI/VXI Technology serial-interface literature describes VXIbus message-based serial I/O with multiple UART channels, programmable baud, and RS-232/422/485 electrical options for ATE.

Applications

Multi-channel serial stimulus/response in VXI ATE, instrument control, and RS-422/485 plant interfaces.

Key Features

4 serial channels

VXI module

Programmable baud

RS-232/422/485 class

VTI / VXI Technology / Ametek branding

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	VT6065-4
Instrument Type	4 channel serial interface module
Channel Count	4
Host Bus	VXI
Manufacturer	VTI Instruments VXI Technology Ametek
Related Model	VM6068
Electrical Class	RS-232/422/485
Baud	programmable
Mechanical Package	VXICsize class
Device Type	message based class
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8
Stop Bits	1/2
Parity	none even odd

PARAMETER	VALUE
Buffer Class	UART FIFO
Grounding	chassis ground

Notes
Identity from Ametek/VTI VT6065-4 4-Channel Serial Interface Module listing. Exact electrical interface per channel is on the VT6065 datasheet matching the -4 SKU.

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 15, 2026

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