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**Data Sheet**
August 15, 2026

JTAG TECHNOLOGIES

# JTAG Technologies JT 3710/VXI DataBlaster

JTAG Technologies VXI Modules. Channels: ** 4 parallel TAP channels, Frequency Range: ** 100 kHz to 25 MHz (100 kHz increments).


| | |
|---|---|
| MODEL<br>JTAG Technologies JT 3710/VXI | CALIBRATION<br>Available on request |
| CONDITION<br>Used | STATUS<br>In stock |
| RFQ / SKU<br>JT 3710/VXI | LISTING<br>https://aumictechlabs.com/products/jt-3710-vxi-2/ |

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The JTAG Technologies JT 3710/VXI DataBlaster is a VXI-standard boundary-scan controller engineered for automated test and programming of complex electronic circuits. Operating as a C-size VXI card, it delivers parallel TAP channel control, real-time data compression, and autonomous operation without host intervention - making it ideal for high-volume manufacturing and demanding in-system programming environments. Technical Specifications Controller Type: Boundary-scan controller Bus Standard: VXI (VMEbus Extensions for Instrumentation) Form Factor: C-size VXI card TAP Channels: 4 parallel TAP channels Test Frequency Range: 100 kHz to 25 MHz (100 kHz increments); sustained execution to 40 MHz TCK on select JT 37×7 series units Data Rate: Up to 25 Mbps per channel sustained Target Voltage Compatibility: 3.3 V and 5 V Flash Memory Programming: Supports 1 bit to over 64k bit target widths; 16 Mbit Intel 28F016 programming in under 16 seconds Programming Technology: AutoWrite™ acceleration reduces flash programming time by 2× to 3× Key Features Proprietary chipset with high-speed TAP drivers

and on-the-fly data compression/decompression Programmable Test Clock (TCK) in 100 kHz steps from 100 kHz to 25 MHz Optional programmable control signals: VPP-enable, Ready/Busy, User0/User1 Local In-System Programming (ISP) data storage with high-capacity memory Autonomous operation mode for boundary-scan control independent of host computer Signal integrity preservation via shielded multi-way interface cables and active POD termination Compact active PODs with multiple connectors for flexible target board integration Typical Applications In-system programming and flash memory acceleration Manufacturing test and diagnostics of circuit boards Boundary-scan chain verification and control Multi-chain parallel testing in production environments Compatibility & Integration Host control via PC, workstation MXI controllers, or embedded VXI controllers. Four parallel TAP output channels delivered through active PODs connected via shielded cable. POD variants available for benchtop and industrial applications.

# JT3710VXI Characteristics / Specifications

| PARAMETER | VALUE |
|---|---|
| **Model** | JT 3710/VXI |
| **Instrument Type** | VXI boundary-scan / JTAG controller |
| **Bus** | VXIbus C-size |
| **Tap Count** | 4 TAP channels in parallel |
| **Pod** | compact active pod serving four TAPs |
| **Classic Pod Tck** | 25 MHz maximum on JT 2137 classic pods |
| **Classic Pod Voltage** | 5 V / 3.3 V operation on classic pods |
| **Later Family Tck** | up to 40 MHz TCK on JT 37×7 DataBlasters |
| **Flash Example** | Intel 28F016 16 Mbit in less than 16 s |
| **Compression** | real-time compression and decompression |
| **Auto Write** | AutoWrite to boost flash ISP |
| **Memory** | high-capacity local ISP data storage |
| **Autonomous** | capable of autonomous operation |
| **Host Control** | PC, workstation MXI, or embedded VXI controller |
| **Cable** | shielded multi-way interface cable to the pod |
| **Frequency Ports** | frequency in and out ports |
| **Interfaces Family** | ISA/PCI, USB, or VXI DataBlaster variants |
| **Standard** | IEEE 1149.x boundary-scan |
| **Manufacturer** | JTAG Technologies |
| **Family** | DataBlaster JT 3710 |
| **Successor** | JT 37×7 with QuadPod JT 2147 plus four JT 2149 TAP pods |
| **Application Class** | board test and device ISP |
| **Mechanical Package** | C-size VXI module |

# JT3710VXI Specifications

| PARAMETER | VALUE |
| --- | --- |
| **Applications** | IEEE 1149.x board test and in-system programming in VXI ATE, controlled from PC/workstation MXI or an embedded VXI controller. |
| **Autonomous local ISP memory** | Classic pod 25 MHz TCK 5 V/3.3 V |
| **Technical Specifications** | Model: JT 3710/VXI |

# 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

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| **Mechanical Package** | C-size VXI module |

Notes
From JTAG Technologies DataBlaster/JT 3710 literature and the controllers overview (classic pod 25 MHz / 5 V/3.3 V; 37x7 40 MHz). Confirm installed pod (JT 2137 versus later QuadPod) and VXI slot-0 resource manager.

## 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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Generated August 15, 2026