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**Data Sheet**

August 2, 2026

## ASSET INTERTECH

# Asset Intertech RIC-1000 ScanWorks Remote Instrumentation Controller

The Asset Intertech RIC-1000 ScanWorks Remote Instrumentation Controller is a key component of the ScanWorks platform, offering remote access and control for boundary scan testing and in-system programming. It facilitates efficient testing and diagnostics of electronic assemblies, enabling streamlined validation and debugging processes.



## MODEL

**Asset Intertech  
RIC-1000**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**RIC-1000**

## LISTING

<https://aumictechlabs.com/products/ric-1000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Asset Intertech RIC-1000 ScanWorks Remote Instrumentation Controller is a networked boundary scan controller that bridges ScanWorks software on a host PC with remote units under test via Ethernet. The device distributes test intelligence through the ScanWorks Embedded Instrumentation Engine (EIE) architecture, executing pre-stored tests from onboard memory to streamline validation, debugging, and in-system programming operations. It enables remote access and control over standard TCP/IP connectivity, making it suitable for distributed test environments and field operations. Technical Specifications Boundary Scan Interface Single Test Access Port (TAP) conforming to IEEE 1149.1 (JTAG) Maximum TCK frequency: 50 MHz, selectable in 36 increments from 160 kHz to 50 MHz PAUSE-DR state support for devices requiring hold

states during shift operations Discrete I/O (DIO) Eight bidirectional non-boundary scan DIO signals DIO0 supports Write Enable (WE) function for flash programming DIO1 monitors Ready/BUSY signals Included UUT cable supports four DIO signals; custom cable required for remaining four Logic Level Support UUT interface voltages: 1.2 V, 1.5 V, 1.8 V, 2.5 V, and 3.3 V Software-configurable via ScanWorks hardware configuration Networking Auto-sensing 10/100/1000 Mbps Ethernet (CAT5E/6) TCP/IP protocol Initial IP assignment via USB flash drive text file; reconfigurable via telnet Factory-assigned permanent MAC address Power Supplied with 5 V, 4 A AC-DC power supply Key Features Distributed test architecture reduces computational load on host PC EMI-resistant rugged enclosure design Software-controlled TAP and DIO voltage levels Efficient remote test execution from onboard memory Typical Applications Remote boundary scan and JTAG testing In-system flash programming and firmware updates Board-level validation and debug operations Multi-site test environments over Ethernet infrastructure Compatibility & Integration The RIC-1000 integrates with the Asset Intertech ScanWorks platform, requiring ScanWorks host software for operation and configuration. Included Accessories One 2 ft RIC-1000 UUT cable One 2 m CAT5E Ethernet cable One 5 V 4 A AC-DC power supply

## Features & description

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From manufacturer datasheet

### Features

- Remote Instrumentation Controller for ASSET ScanWorks platform
- Ethernet client/server architecture to ScanWorks host
- Single boundary-scan test port
- Eight non-boundary-scan discrete I/O signals
- Local intelligence for remote test execution
- Supports most ScanWorks actions (embedded-technology dependent)
- Typical kit includes Ethernet cable and 5 V DC power supply (dealer listings)

## RIC1000 Characteristics / Specifications

| PARAMETER           | VALUE                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model               | RIC-1000                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer        | Asset Intertech (ASSET InterTech)                                                                                                                                                                                                                                                                                                                                                 |
| Instrument Type     | ScanWorks Remote Instrumentation Controller                                                                                                                                                                                                                                                                                                                                       |
| Host Interface      | Ethernet (TCP/IP)                                                                                                                                                                                                                                                                                                                                                                 |
| UUT Interface       | Single boundary-scan / JTAG test port                                                                                                                                                                                                                                                                                                                                             |
| Discrete I/O        | 8 non-boundary-scan discrete signals                                                                                                                                                                                                                                                                                                                                              |
| Max TCK Frequency   | 50 MHz (dealer/OEM listing class)                                                                                                                                                                                                                                                                                                                                                 |
| UUT Logic Levels    | 1.2 V to 3.3 V (dealer/OEM listing class)                                                                                                                                                                                                                                                                                                                                         |
| Software Platform   | ASSET ScanWorks (host station required)                                                                                                                                                                                                                                                                                                                                           |
| Typical Accessories | CAT5E Ethernet cable; 5 V 4 A AC-DC power supply (dealer kit examples) Standard Operating Conditions Connect RIC-1000 to UUT JTAG/boundary-scan port with appropriate cabling and level shifting as required. Provide stable network connectivity between controller and ScanWorks station. Use ScanWorks licensing and configuration appropriate to remote controller operation. |

# 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                                                                                                                                                                                                                                                                                                                                      | RIC-1000                                                               |
| Manufacturer                                                                                                                                                                                                                                                                                                                               | Asset Intertech (ASSET InterTech)                                      |
| Instrument Type                                                                                                                                                                                                                                                                                                                            | ScanWorks Remote Instrumentation Controller                            |
| Host Interface                                                                                                                                                                                                                                                                                                                             | Ethernet (TCP/IP)                                                      |
| UUT Interface                                                                                                                                                                                                                                                                                                                              | Single boundary-scan / JTAG test port                                  |
| Discrete I/O                                                                                                                                                                                                                                                                                                                               | 8 non-boundary-scan discrete signals                                   |
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| Software Platform                                                                                                                                                                                                                                                                                                                          | ASSET ScanWorks (host station required)                                |
| Typical Accessories                                                                                                                                                                                                                                                                                                                        | CAT5E Ethernet cable; 5 V 4 A AC-DC power supply (dealer kit examples) |
| Standard Operating Conditions                                                                                                                                                                                                                                                                                                              |                                                                        |
| Connect RIC-1000 to UUT JTAG/boundary-scan port with appropriate cabling and level shifting as required. Provide stable network connectivity between controller and ScanWorks station. Use ScanWorks licensing and configuration appropriate to remote controller operation.                                                               |                                                                        |
| Operational Notes                                                                                                                                                                                                                                                                                                                          |                                                                        |
| RIC-1000 is legacy ScanWorks hardware; confirm ScanWorks version support and remaining manufacturer support before deployment. Detailed electrical timing tables beyond TCK and logic-level range should be taken from the RIC-1000 user documentation for the installed revision-do not extrapolate unverified timing or pin tables here. |                                                                        |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

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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.