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**Data Sheet**

August 15, 2026

CORELIS

# Corelis NetUSB-1149.1 JTAG Boundary Scan Controller

The Corelis NetUSB-1149.1 is an IEEE 1149.1-compliant JTAG boundary-scan controller for testing, debugging, and in-system programming (ISP) of CPLDs, FPGAs, Flash memories, and other IEEE 1149.1-compatible devices. It connects to host computers via USB 2.0 (backward compatible with USB 1.1) or 10/100Base-T Ethernet, supporting flexible deployment across various distances from the target system. JTAG Clock (TCK) Rate: Up to 70 MHz programmable; up to 80 MHz for NetUSB-1149.1/E Test Access Ports (TAPs): Four independent TAPs (NetUSB-1149.1/E); eight TAPs with integrated ScanTAP-8 pod (NetUSB-1149.1/SE); single TAP via SCSI II 68-pin connector (basic model) Concurrent Testing: Up to four boards concurrently (NetUSB-1149.1/E); up to 512 boards with specific configurations



MODEL

**Corelis NetUSB-1149.1**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**NetUSB-1149.1**

LISTING

<https://aumictechlabs.com/products/netusb-1149-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Corelis NetUSB-1149.1 is an IEEE 1149.1-compliant JTAG boundary-scan controller for testing, debugging, and in-system programming (ISP) of CPLDs, FPGAs, Flash memories, and other IEEE 1149.1-compatible devices. It connects to host computers via USB 2.0 (backward compatible with USB 1.1) or 10/100Base-T Ethernet, supporting flexible deployment across various distances from

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# NETUSB11491 Characteristics / Specifications

| PARAMETER                   | VALUE                         |
|-----------------------------|-------------------------------|
| Model                       | NetUSB-1149.1                 |
| Instrument Type             | JTAG boundary scan controller |
| Host Interfaces             | USB and Ethernet class        |
| Standard                    | IEEE 1149.1                   |
| Manufacturer                | Corelis                       |
| Form Factor                 | external controller           |
| Tck                         | programmable                  |
| Software                    | Corelis boundary scan suite   |
| Operating Temperature Class | commercial                    |
| Power                       | external or USB powered class |
| Connector                   | JTAG pod                      |
| Humidity Class              | non condensing                |
| Duty                        | lab and production            |
| Scan Modes                  | interconnect cluster ISP      |
| LEDs                        | link and status               |
| Driver                      | host software stack           |
| Grounding                   | earth referenced pod class    |
| Isolation                   | pod dependent                 |
| Storage Temperature Class   | commercial                    |
| Cooling                     | convection                    |
| Tap Support                 | multi TAP class               |
| Network                     | TCP/IP class control          |
| Storage temperature         | Class: commercial             |
| Operating temperature       | Class: commercial             |
| Humidity                    | Class: non condensing         |

# NETUSB11491 Specifications

| PARAMETER                         | VALUE                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| USB and network host connectivity | IEEE 1149.1 compliant controller                                                                        |
| Technical Specifications          | Model: NetUSB-1149.1                                                                                    |
| Notes                             | From Corelis NetUSB-1149.1 product listings. Confirm exact host interface population on the unit label. |

# General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature         | Class: commercial                                                                                                                  |
| Operating temperature       | Class: commercial                                                                                                                  |
| Operating Temperature       | Class: commercial                                                                                                                  |
| Humidity                    | Class: non condensing                                                                                                              |
| Operating Temperature Class | commercial                                                                                                                         |
| Power                       | external or USB powered class                                                                                                      |
| Connector                   | JTAG pod                                                                                                                           |
| Humidity Class              | non condensing                                                                                                                     |
| Duty                        | lab and production                                                                                                                 |
| Scan Modes                  | interconnect cluster ISP                                                                                                           |
| LEDs                        | link and status                                                                                                                    |
| Driver                      | host software stack                                                                                                                |
| Grounding                   | earth referenced pod class                                                                                                         |
| Isolation                   | pod dependent                                                                                                                      |
| Storage Temperature Class   | commercial                                                                                                                         |
| Cooling                     | convection                                                                                                                         |
| Tap Support                 | multi TAP class                                                                                                                    |
| Network                     | TCP/IP class control Notes From Corelis NetUSB-1149.1 product listings. Confirm exact host interface population on the unit label. |

# 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                                                                                                   | NetUSB-1149.1                 |
| Instrument Type                                                                                         | JTAG boundary scan controller |
| Host Interfaces                                                                                         | USB and Ethernet class        |
| Standard                                                                                                | IEEE 1149.1                   |
| Manufacturer                                                                                            | Corelis                       |
| Form Factor                                                                                             | external controller           |
| Tck                                                                                                     | programmable                  |
| Software                                                                                                | Corelis boundary scan suite   |
| Operating Temperature Class                                                                             | commercial                    |
| Power                                                                                                   | external or USB powered class |
| Connector                                                                                               | JTAG pod                      |
| Humidity Class                                                                                          | non condensing                |
| Duty                                                                                                    | lab and production            |
| Scan Modes                                                                                              | interconnect cluster ISP      |
| LEDs                                                                                                    | link and status               |
| Driver                                                                                                  | host software stack           |
| Grounding                                                                                               | earth referenced pod class    |
| Isolation                                                                                               | pod dependent                 |
| Storage Temperature Class                                                                               | commercial                    |
| Cooling                                                                                                 | convection                    |
| Tap Support                                                                                             | multi TAP class               |
| Network                                                                                                 | TCP/IP class control          |
| Notes                                                                                                   |                               |
| From Corelis NetUSB-1149.1 product listings. Confirm exact host interface population on the unit label. |                               |

### 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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NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.