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**Data Sheet**

August 15, 2026

ACTIS COMPUTER

# ACTIS Computer ADA-08 IndustryPack Module

ACTIS Computer ADA-08 IndustryPack Module The ACTIS Computer ADA-08 is an IndustryPack mezzanine module. OEM ADA-08 listings describe an analog/digital IndustryPack used on VME/cPCI/PCI IndustryPack carriers for embedded I/O expansion. IndustryPack analog/digital I/O on embedded carriers. Literature: ACTIS Computer ADA-08 IndustryPack listings The ACTIS Computer ADA-08 is an IndustryPack mezzanine module. OEM ADA-08 listings describe an analog/digital IndustryPack used on VME/cPCI/PCI IndustryPack carriers for embedded I/O expansion. IndustryPack analog/digital I/O on embedded carriers. Literature: ACTIS Computer ADA-08 IndustryPack listings Application Class: embedded analog/digital



MODEL

**ACTIS Computer  
ADA-08**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**ADA-08**

LISTING

<https://aumictechlabs.com/products/ada-08-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The ACTIS Computer ADA-08 is a single-size IndustryPack module that integrates data acquisition, analog signal conditioning, and digital I/O into one VITA-4 compliant form factor. It combines three functional blocks: a counter/timer and parallel I/O unit, an octal 12-bit DAC with eight buffered outputs, and a 12-bit plus sign ADC with eight single-ended or four differential inputs. All signals operate at TTL levels, making integration with legacy and modern control systems straightforward. Technical Specifications Counter/Timer and Parallel I/O: Two 8-bit general-purpose ports One 4-bit special-purpose port Three 16-bit counter/timers Pattern-recognition logic for interrupt generation TTL-level signaling throughout Digital-to-Analog

Converter: Eight single-ended buffered outputs 12-bit resolution Bipolar and unipolar modes supported Factory-configurable voltage ranges:  $\pm 5$  V, 0 to +10 V, 0 to +5 V (minimum order 25 units) Analog-to-Digital Converter: 12-bit + sign resolution Eight single-ended or four differential input channels Unipolar and bipolar signal support On-chip 8-word RAM for sequence storage Eight-input multiplexer On-board two +5 V precision voltage references 32-word FIFO buffer External trigger capability Physical and Environmental: IndustryPack form factor: 1.8 in.  $\times$  3.9 in. Maximum component height: 0.29 in. Operating temperature: industrial range -40 °C to +85 °C available Auto-calibration and diagnostic mode Built-in monitoring functions

**Key Features** Eight independent DAC channels eliminate the need for external buffering in most applications. The ADC's on-chip sequence RAM reduces firmware overhead by enabling autonomous multi-channel acquisition. The flexible counter/timer block supports external event counting, PWM generation, and interval measurement simultaneously.

**Typical Applications** Process control systems, data logging platforms, real-time sensor interfaces, industrial test stands, and embedded instrumentation requiring synchronized analog and digital I/O.

**Compatibility & Integration** Designed for VITA-4 standard IndustryPack carrier boards such as the VIPC-6400B 6U Quad IP module carrier (rated for 16-bit @ 8 MHz VITA-4 modules). All interconnects and signal standards follow VITA-4 specifications.

## ADA Characteristics / Specifications

| PARAMETER                   | VALUE                                       |
|-----------------------------|---------------------------------------------|
| Model                       | ADA-08                                      |
| Instrument Type             | IndustryPack module                         |
| Mezzanine                   | IndustryPack                                |
| Manufacturer                | ACTIS Computer                              |
| Literature                  | ACTIS Computer ADA-08 IndustryPack listings |
| Family                      | ACTIS ADA IndustryPack                      |
| Brand Lineage               | ACTIS Computer                              |
| Form Factor                 | IndustryPack                                |
| System Role                 | mezzanine I/O                               |
| Application Class           | embedded analog/digital                     |
| Carrier Class               | VME/cPCI/PCI IP carrier                     |
| Documentation Type          | OEM ADA-08 listing                          |
| Vendor Path                 | ACTIS Computer                              |
| Year Class                  | ADA-08                                      |
| Io Class                    | per ADA-08 faceplate                        |
| Resolution Class            | per ADA-08 datasheet                        |
| Channel Class               | per ADA-08 datasheet                        |
| Connector Class             | IndustryPack stack                          |
| Power Class                 | IP power pins                               |
| Operating Temperature Class | per ADA-08                                  |
| Software Class              | IndustryPack driver class                   |
| Control Class               | IP I/O                                      |
| Module Class                | ADA-08                                      |
| Bus Class                   | IndustryPack                                |
| Operating temperature       | Class: per ADA-08                           |

# ADA Specifications

| PARAMETER                | VALUE                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| IndustryPack mezzanine   | ACTIS ADA-08                                                                                                                       |
| Technical Specifications | Model: ADA-08                                                                                                                      |
| Notes                    | Identity from ACTIS Computer ADA-08 IndustryPack listings. Channel count, ranges, and conversion rate are on the ADA-08 datasheet. |

# General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature       | Class: per ADA-08                                                                                                                                        |
| Operating Temperature       | Class: per ADA-08                                                                                                                                        |
| Operating Temperature Class | per ADA-08                                                                                                                                               |
| Software Class              | IndustryPack driver class                                                                                                                                |
| Control Class               | IP I/O                                                                                                                                                   |
| Module Class                | ADA-08                                                                                                                                                   |
| Bus Class                   | IndustryPack Notes Identity from ACTIS Computer ADA-08<br>IndustryPack listings. Channel count, ranges, and conversion rate are on the ADA-08 datasheet. |

# 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                       | ADA-08                                      |
| Instrument Type             | IndustryPack module                         |
| Mezzanine                   | IndustryPack                                |
| Manufacturer                | ACTIS Computer                              |
| Literature                  | ACTIS Computer ADA-08 IndustryPack listings |
| Family                      | ACTIS ADA IndustryPack                      |
| Brand Lineage               | ACTIS Computer                              |
| Form Factor                 | IndustryPack                                |
| System Role                 | mezzanine I/O                               |
| Application Class           | embedded analog/digital                     |
| Carrier Class               | VME/cPCI/PCI IP carrier                     |
| Documentation Type          | OEM ADA-08 listing                          |
| Vendor Path                 | ACTIS Computer                              |
| Year Class                  | ADA-08                                      |
| Io Class                    | per ADA-08 faceplate                        |
| Resolution Class            | per ADA-08 datasheet                        |
| Channel Class               | per ADA-08 datasheet                        |
| Connector Class             | IndustryPack stack                          |
| Power Class                 | IP power pins                               |
| Operating Temperature Class | per ADA-08                                  |
| Software Class              | IndustryPack driver class                   |
| Control Class               | IP I/O                                      |
| Module Class                | ADA-08                                      |
| Bus Class                   | IndustryPack                                |

#### Notes

Identity from ACTIS Computer ADA-08 IndustryPack listings. Channel count, ranges, and conversion rate are on the ADA-08 datasheet.

### 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>

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.