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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring IP-ADIO Analog and Digital I/O IndustryPack

The IP-ADIO is an IndustryPack mezzanine module that delivers integrated analog and digital input/output capabilities for embedded systems requiring high-density signal processing. Conforming to the VITA IndustryPack specification (ANSI/VITA 4-1995), it mounts on carrier cards across multiple bus architectures to enable flexible, scalable I/O expansion without redesigning host hardware. Typical Applications Embedded data acquisition, industrial process control, test & measurement systems, and field-mounted I/O expansion in space-constrained enclosures. Compatibility & Integration Works with IndustryPack carrier cards supporting VME, PCI, CompactPCI, PCI Express, ISA, STD32, and PC/104 bus architectures. Full VITA 4-1995 compliance guarantees interoperability across vendor ecosystems. Aumictech offers NIST-traceable calibration and repair for the Abaco Systems / SBS / Greenspring IP-AD



MODEL

**Abaco Systems /
SBS / Greenspring
IP-ADIO**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

IP-ADIO

LISTING

[https://aumictechlabs.c
om/products/ip-adio-2/](https://aumictechlabs.com/products/ip-adio-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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across multiple bus architectures to enable flexible, scalable I/O expansion without redesigning host hardware.

Technical Specifications

Form Factor & Operating Frequency Single-wide IndustryPack module compatible with Type I and Type II specifications Supports 8 MHz or 32 MHz operation; carrier boards may transparently convert 32-bit accesses to 16-bit for the module

Analog I/O Analog-to-digital and digital-to-analog conversion capabilities Resolution and channel configurations vary by module variant (12-bit, 14-bit, or 16-bit options; 16 differential or 32 single-ended channel options available)

Digital I/O Configurable from 8 to 64 bits depending on variant

Signal types include buffered TTL, optically isolated inputs/outputs, and 24V rated lines

Interface standards supported: RS232, RS485, RS422, and others per module configuration

Power Powered from host carrier board supply (typically +12V primary, +3.3V auxiliary per carrier specifications)

Key Features Compact mezzanine form factor enables multiple modules per carrier for maximum I/O density VITA-standardized interface ensures cross-manufacturer compatibility No redesign of host system required - leverages existing carrier infrastructure Module-level configuration allows mixed analog/digital topologies on single carrier

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Compatibility & Integration Works with IndustryPack carrier cards supporting VME, PCI, CompactPCI, PCI Express, ISA, STD32, and PC/104 bus architectures. Full VITA 4-1995 compliance guarantees interoperability across vendor ecosystems.

IPADIO Characteristics / Specifications

PARAMETER	VALUE
Model	IP-ADIO
Instrument Type	analog and digital I/O IndustryPack
Analog Inputs	16
Input Mixing Se Diff	dynamic mix of differential and single-ended
Input Mixing Uni Bipolar	dynamic mix of bipolar and unipolar at full scale
Mezzanine Standard	ANSI VITA 4 IndustryPack
Module Width Class	single wide
Typical Length	3.900 inches
Typical Width	1.800 inches
Typical Thickness Max	0.340 inches
Logic Connector	IndustryPack logic interfacerIOConnector: IndustryPack 50-pin I/O class
Carrier Hosts	VME PCI CompactPCI and other IP carriers
Id Prom Support	IndustryPack ID PROM class
Brand Path	Greenspring SBS Abaco
Card Geometry	single wide IndustryPack module
Digital Section Class	digital I/O included on ADIO module
Full Scale Mode Mixing	bipolar and unipolar dynamically mixed
Embedded Role	mixed-signal mezzanine I/O
Configuration Class	carrier and transition module dependent pinout
Maintenance Class	field replaceable IndustryPack
Documentation Scope	OEM published numeric tables

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	
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Notes	
From Greenspring IP-ADIO reseller OEM summaries. ADC resolution conversion rate and digital channel counts belong on the IP-ADIO datasheet for the installed revision and must not be assumed from IP-16ADC or IP-Precision-ADC.	

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

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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.