

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

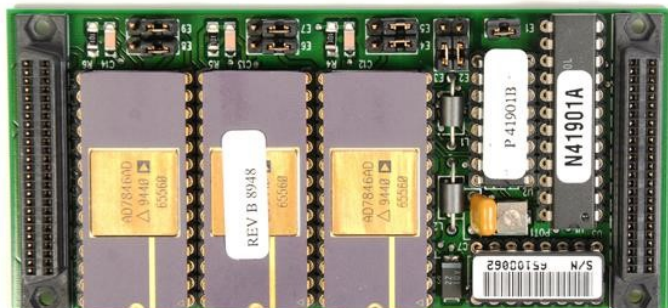
Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring IP-16DAC IndustryPack Module

Carrier Interface: IndustryPack logic interface Channel Count Catalog: 3 high stability 16-bit DACs Mezzanine Standard: ANSI VITA 4 IndustryPack Product Family Aliases: IP-16DAC IP-16-DAC IP16DAC Product Family Aliases: IP-16DAC IP-16-DAC IP16DAC Stability Focus: high stability analog outputs per OEM catalog Dimensions Typical Ip: 1.800 by 3.900 by 0.340 inches maximum Logic Connector: IndustryPack logic interface I/O Connector: IndustryPack 50-pin I/O class

**MODEL****Abaco Systems /
SBS / Greenspring
IP-16DAC****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****IP-16DAC****LISTING**<https://aumictechlabs.com/products/ip-16dac-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The IP-16DAC is a Type II IndustryPack module delivering 16 channels of 16-bit digital-to-analog conversion for precision analog output generation. Built on Crystal Semiconductor CS4333 stereo DACs in 2's complement format, it achieves 94 dB dynamic range and 0.003% THD, making it suitable for high-fidelity applications demanding low distortion and stable output. The module employs Linear Technology LT1114 precision op-amps with picoamp input bias currents, RF-filtered analog power, isolated analog ground planes, and internal de-glitching hardware for fast

settling times. Factory calibration and 3 ppm/°C drift specification ensure high accuracy and repeatability across temperature variations.

Technical Specifications

- 16 channels of 16-bit DAC output
- 94 dB dynamic range
- 0.003% total harmonic distortion
- 1-bit D/A conversion with ultra-linear analog low-pass filtering
- 3 ppm/°C drift specification
- 2's complement input format
- Four selectable output ranges (bipolar and unipolar configurations)
- Software-readable DAC registers
- Software-selectable master or slave configuration

Key Features

- Low-profile surface-mounted component design on both sides maximizes channel density per slot
- Synchronization capability via RS-485 signal allows up to 33 IP modules (528 total channels) simultaneous updates
- User-programmable output level shifting and offset correction via dedicated DAC channel
- Remote sense feature for direct interface to target hardware
- Optional external power supplies reduce system noise
- DACs clearable by software or resettable to bipolar/unipolar zero

Typical Applications

- High-resolution analog output generation in instrumentation systems
- Multi-channel precision signal generation requiring synchronized updates
- Audio and signal processing applications leveraging high dynamic range and low distortion
- Industrial test and measurement systems with stringent repeatability requirements

Compatibility & Integration

Compliant with IndustryPack interface standards. An 8-channel Type I variant is available for applications with different form factor or channel count requirements.

IP16DAC Characteristics / Specifications

PARAMETER	VALUE
Model	IP-16DAC
Instrument Type	three channel 16-bit analog output IndustryPack
Card Format	single wide IndustryPack ANSI VITA 4
Dac Channels	3
Dac Resolution	16 bit
Reference Tempco	3 ppm perCSense Mode: remote sense supported
Range Select Method	shunts for bipolar and unipolar spans
Output Ranges Supported	four output ranges bipolar and unipolar
De Glitch Hardware	internal on DAC paths
Clear Reset Behavior	DACs clearable to bipolar or unipolar zero class states
External Supply Option	external supplies supported to reduce noise
NsN Reference	5998-01-518-8924
Carrier Interface	IndustryPack logic interface
Channel Count Catalog	3 high stability 16-bit DACs
Module Width	single wide
Mezzanine Standard	ANSI VITA 4 IndustryPack
Product Family Aliases	IP-16DAC IP-16-DAC IP16DAC
Stability Focus	high stability analog outputs per OEM catalog
Dimensions Typical Ip	1.800 by 3.900 by 0.340 inches maximum
Logic Connector	IndustryPack logic interfaceIOConnector: IndustryPack 50-pin I/O class
Module Width Class	single wide unless noted
Typical Length	3.900 inches

IP16DAC Specifications

PARAMETER	VALUE
Key Features	Three independent 16-bit DAC channels on one IP
Shunt selectable bipolar and unipolar output ranges	Precision reference specified at 3 ppm per C
Technical Specifications	Model: IP-16DAC

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	IP-16DAC
Instrument Type	three channel 16-bit analog output IndustryPack
Card Format	single wide IndustryPack ANSI VITA 4
Dac Channels	3
Dac Resolution	16 bit
Reference Tempco	3 ppm perCSense Mode: remote sense supported
Range Select Method	shunts for bipolar and unipolar spans
Output Ranges Supported	four output ranges bipolar and unipolar
De Glitch Hardware	internal on DAC paths
Clear Reset Behavior	DACs clearable to bipolar or unipolar zero class states
External Supply Option	external supplies supported to reduce noise
NsN Reference	5998-01-518-8924
Carrier Interface	IndustryPack logic interface
Channel Count Catalog	3 high stability 16-bit DACs
Module Width	single wide
Mezzanine Standard	ANSI VITA 4 IndustryPack
Product Family Aliases	IP-16DAC IP-16-DAC IP16DAC
Stability Focus	high stability analog outputs per OEM catalog
Dimensions Typical Ip	1.800 by 3.900 by 0.340 inches maximum
Logic Connector	IndustryPack logic interfaceIOConnector: IndustryPack 50-pin I/O class
Module Width Class	single wide unless noted
Typical Length	3.900 inches
Notes	
From Abaco IP-16DAC product page feature bullets and Greenspring catalog channel description. Exact span millivolts and settling microseconds belong on the OEM manual for the installed revision.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.