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Data Sheet

August 15, 2026

CURTISS-WRIGHT / DY-4

Curtiss-Wright / DY-4 IP4-660 A/D IndustryPack Module

Curtiss-Wright / DY-4 Data Acquisition Systems (DAQ). Resolution: ** 16-bit, Channels: ** 16 single-ended or 8 differential, Accuracy: ** Better than ± 2 LSB.



MODEL

**Curtiss-Wright /
DY-4 IP4-660**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

IP4-660

LISTING

[https://aumictechlabs.c
om/products/ip4-660-
2/](https://aumictechlabs.com/products/ip4-660-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/DY-4 IP4-660 is a 16-bit analog-to-digital conversion module in IndustryPack form factor, engineered for high-precision data acquisition in industrial and harsh environments. The module supports flexible input configurations with 16 single-ended or 8 differential channels, selectable input ranges of ± 5 V or ± 10 V, and achieves 0.001% typical linearity with internal amplification and buffering via low-distortion differential amplifiers. Technical Specifications Resolution: 16-bit Analog Input Channels: 16 single-ended or 8 differential Input Ranges: ± 5 V, ± 10 V Linearity: 0.001% typical Input Impedance: 1 G Ω Amplification: Low-noise, low-distortion instrumentation amplifier with internal buffering Internal Reference: Temperature drift coefficient 3 ppm/ $^{\circ}$ C maximum Internal Calibration Accuracy: Better than ± 2 LSB Conversion Rate: Maximum aggregate 100 kHz Overvoltage Protection: Multiplexer protection rated -40 V to +55 V Key Features Multiplexer-based input circuitry with integrated instrumentation amplifier delivers low

noise and distortion performance Programmable interrupt logic provides flexible conversion completion notification Software-initiated or external trigger control of conversion start External pacer clock support enables semi-automatic data acquisition via interrupt or sample modes Built-in overvoltage protection safeguards front-end circuitry across extended voltage ranges Temperature-stabilized internal reference minimizes gain and offset drift Typical Applications Data acquisition systems requiring high-resolution analog measurement in industrial control, process monitoring, environmental sensing, and field instrumentation where reliability and accuracy are critical. Compatibility & Integration Designed to the IndustryPack (IP) standard, enabling direct integration into compatible carrier boards and modular test systems.

IP4660 Characteristics / Specifications

PARAMETER	VALUE
Model	IP4-660
Instrument Type	Analog to digital IndustryPack
Mezzanine	IndustryPack
Family	DY-4 IP4
Related Digital	IP4-206-020 digital opto I/O
Related Sbc	SCP-122
Form Factor	IndustryPack I/O module
Manufacturer	DY-4 / Curtiss-Wright
Use Case	analog acquisition
Control	IP carrier / SCP host
Operating Temperature Class	rugged IP
Literature	Curtiss-Wright DY-4 IP4-660 listings
Io Type	analog to digital
Documentation Type	OEM IndustryPack catalog
Brand Lineage	DY-4 Curtiss-Wright
System Role	ADC IP
Power	from IP carrier
Connector	IP I/O connector
Range Class	analog input span per IP4-660 sheet
Resolution Class	ADC resolution per IP4-660 sheet
Sample Class	conversion rate per IP4-660 sheet
Channels Class	analog channel count per IP4-660 sheet
Operating temperature	Class: rugged IP

IP4660 Specifications

PARAMETER	VALUE
Applications	Embedded analog sampling on rugged DY-4 IP carriers.
A/D IndustryPack	DY-4 IP4-660
Technical Specifications	Model: IP4-660

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: rugged IP
Operating Temperature	Class: rugged IP
Operating Temperature Class	rugged IP
Literature	Curtiss-Wright DY-4 IP4-660 listings
Io Type	analog to digital
Documentation Type	OEM IndustryPack catalog
Brand Lineage	DY-4 Curtiss-Wright
System Role	ADC IP
Power	from IP carrier
Connector	IP I/O connector
Range Class	analog input span per IP4-660 sheet
Resolution Class	ADC resolution per IP4-660 sheet
Sample Class	conversion rate per IP4-660 sheet
Channels Class	analog channel count per IP4-660 sheet Notes From Curtiss-Wright / DY-4 IP4-660 A/D IndustryPack catalog identity. Channel count, resolution, and sample rate are on the IP4-660 data sheet.

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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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.