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Data Sheet

August 13, 2026

KEITHLEY / METRABYTE

Keithley / MetraByte DAS-8 Analog-to-Digital Converter

Keithley DAS-8 ISA 8 Channel Analog Input Board The Keithley MetraByte DAS-8 is an 8-channel 12-bit ISA (8-bit slot) analog input board. Jumper-selectable gains, typically 4 kHz to 30 kHz class throughput depending on DAS-8 versus DAS-8/AO and PGA siblings. Three digital inputs, four digital outputs, and a timer/counter. 37-pin D-sub compatible with DAS-8 STA accessories. Predecessor to DAS-8PGA (programmable gain) and DAS-16. Instrument Type: ISA 8 channel analog input board Sample Rate Class: 4 kHz to 30 kHz family (confirm DAS-8 versus DAS-8F) The Keithley MetraByte DAS-8 is an 8-channel 12-bit ISA (8-bit slot) analog input board. Jumper-selectable gains, typically 4 kHz to 30 kHz class throughput depending on DAS-8 versus DAS-8/AO and PGA siblings. Three digital inputs, four digital outputs, and a timer/counter. 37-pin D-sub compatible with DAS-8 STA accessories. Predecessor to DAS-8PGA (programmable gain) and DAS-16. Instrument Type: ISA 8 channel analog input board Sample Rate Class: 4 kHz to 30 kHz family (confirm DAS-8 versus DAS-8F)



MODEL

**Keithley /
MetraByte DAS-8**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DAS-8

LISTING

<https://aumictechlabs.com/products/das-8-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley/MetraByte DAS-8 is a 12-bit successive approximation analog-to-digital converter for data acquisition on ISA bus PCs. It has eight configurable analog input channels, fixed $\pm 5V$ range,

and 25 μ s typical conversion time, delivering up to 4 kS/s sampling rates. The board integrates an Intel 82C54 programmable counter-timer with three internal 16-bit counters for event counting, pulse generation, and timing measurements. Seven bits of TTL digital I/O - comprising a 4-bit output port and 3-bit input port - enable direct hardware interfacing. A precision +10.00V (± 0.1 V) reference voltage output is derived from the ADC reference and available on the rear D-type connector. The DAS-8 operates from the ISA bus clock (4.77 to 8 MHz) and supports hardware interrupts on levels 2–7. Base address defaults to 768 decimal (0x300 hex) but is user-reconfigurable via DIP switches.

Technical Specifications

Analog Input Channels: 8
ADC Resolution: 12-bit
Conversion Method: Successive approximation with sample and hold
Input Range: ± 5 V (fixed)
Conversion Time: 25 μ s typical, 35 μ s maximum
Maximum Sampling Rate: 4 kS/s
Counter/Timer: Intel 82C54 with three 16-bit counters
Clock Source: ISA bus clock (4.77 MHz, 6 MHz, or 8 MHz)
Digital I/O: 7-bit TTL (4-bit output, 3-bit input)
Reference Voltage Output: +10.00V (± 0.1 V)
Interrupts: Hardware interrupts, levels 2–7
Base Address: 768 decimal (0x300 hex), DIP-switch configurable

Key Features

Single-ended or differential analog input configuration
Programmable interval timer supports event counting, frequency measurement, and waveform generation
TTL digital I/O for direct sensor and control interfacing
Precision reference voltage available to external circuitry
ISA bus integration for legacy PC systems

Typical Applications

Data logging, industrial process monitoring, real-time signal acquisition, event timing and counting, and periodic sampling with software control via DriverLINX or compatible data acquisition packages.

Compatibility & Integration

The DAS-8 operates under MS-DOS and supports VIEWDAC, EASYEST LX, EASYEST AG, ASYST (version 2.10 or greater), DriverLINX, and Daqarta for DOS software environments.

DAS Characteristics / Specifications

PARAMETER	VALUE
Model	DAS-8
Manufacturer	Keithley MetraByte
Instrument Type	ISA 8 channel analog input board
Alias	DAS-8; DAS8
Host Bus	ISA 8 bit
Analog Inputs	8
ADC Resolution	12 bit
Gain Select	jumper (fixed per setup)
Sample Rate Class	4 kHz to 30 kHz family (confirm DAS-8 versus DAS-8F)
Digital Inputs	3
Digital Outputs	4
Timer Counter	1 class (8254/9513 family)
Connector	37 pin D-sub
Analog Output	not on base DAS-8 (see DAS-8/AO)
Related PGA	DAS-8PGA programmable gain
Related Faster	DAS-16 / DAS-16F 16-channel 50/100 kHz
Base Address	jumper/DIP
Interrupts	jumper selectable
DMA	limited/none on 8-bit DAS-8 class
Software	DAS-8 mode calls; later DriverLINX class
Form	half or full length 8-bit ISA
Input Range Class	plus/minus 10 V / plus/minus 5 V jumper family
STA Accessory	STA-08 class Notes Specs from Keithley/MetraByte DAS-8 family catalogs. Confirm DAS-8 versus DAS-8PGA versus DAS-8/AO on the board silkscreen; sample-rate chip (674 vs 774 class) sets throughput.

DAS Specifications

PARAMETER	VALUE
Applications	Low-cost ISA analog monitoring
Digital status with analog scan	Legacy DOS DAS-8 mode-call systems
Key Features	Fits 8-bit ISA slots
Technical Specifications	Model: DAS-8

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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Related PGA	DAS-8PGA programmable gain

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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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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.