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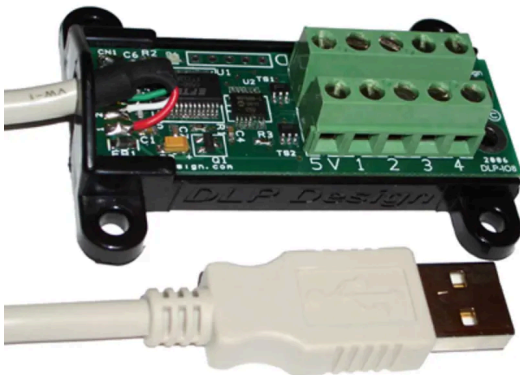
Data Sheet

August 15, 2026

DLP DESIGN

DLP Design DLP-IO8-G USB-Based 8-Channel Data Acquisition Module

DLP Design Data Acquisition Systems (DAQ). Channels: ** 8 configurable channels, Voltage: ** 5 V via USB host port.



MODEL

DLP Design DLP-IO8-G

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLP-IO8-G

LISTING

<https://aumictechlabs.com/products/dlp-io8-g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DLP Design DLP-IO8-G is a USB-powered 8-channel data acquisition module for industrial and laboratory applications. Each channel configures independently as a digital input, digital output, analog input, or temperature sensor interface. Operation is controlled via simple single-byte commands over USB 1.1/2.0, making it suitable for terminal emulation or custom software integration without external power supplies. Technical Specifications Channels: 8 configurable channels Digital I/O: High/low read and write capability; 25 mA sink/source per channel Analog Input: 10-bit ADC, 0–5 V range, 4.9 mV resolution (5 V / 1024) Temperature Sensing: DS18B20+ compatible (sensor sold separately); -55°C to 125°C (-67°F to 257°F) USB Interface: USB 1.1 and 2.0 compliant; 115200 baud terminal rate Data Output: ASCII text or binary format selectable Supply Voltage: 5 V via USB host port Operating Temperature: 0°C to 70°C I/O Voltage Range: -0.3 V to +5.3 V with respect to ground Key Features No external power supply required USB

enumeration and operation from single host connection Compact form factor with terminal block connectors for field wiring Mixed-mode channel operation - assign pins independently to I/O, analog, or sensor functions Single-byte command protocol reduces firmware complexity and enables rapid prototyping Immediate ASCII readout via standard terminal emulators or binary data for scripted acquisition Typical Applications Data logging and process monitoring in benchtop systems Digital signal acquisition with simultaneous analog measurement Temperature monitoring using one-wire DS18B20+ sensors Control logic and relay switching in automated test setups Laboratory instrumentation integration without dedicated DAQ hardware Compatibility & Integration Works with terminal emulator software or custom applications in any language supporting USB serial communication. Driver requirements depend on host OS and software package; drivers are included with some distributions or available separately. Requires separate DS18B20+ sensor purchase for temperature measurement channels.

DLPIO8G Characteristics / Specifications

PARAMETER	VALUE
Model	DLP-IO8-G
Instrument Type	USB 8-channel data acquisition module
Channel Count	8 independently configurable
Host Interface	USB 1.1 and USB 2.0
Supply	5 V from host USB port
Baud Rate	115200
Analog Resolution	10-bit, 4.9 mV (5 V / 1024)
Analog Range	0-5 V
Analog Accuracy	not specified; ADC reference is host USB 5 V; relative measurements
Temperature Sensor	DS18B20+ purchased separately, up to eight sensors
Temperature Range	minus 55 C to 125 C (67 to 257 F)
Temperature Pullup	approximately 1.5 kohm on data line; minimum safe 240 ohm
Operating Temperature	0-70 C
Io Voltage Max	minus 0.3 V to +5.3 V versus ground
Sink Source Current	25 mA on any I/O
Return Formats	ASCII default or binary
Length	2.47 in typical (62.7 mm)
Width	0.89 in typical (22.6 mm)
Height	0.34 in typical (8.7 mm)
Mounting Holes	0.140 in typical (3.6 mm), quantity 2
Ping Reply	Q (0x51) on apostrophe ping
Default Temperature Unit	Fahrenheit; semicolon sets Celsius
Manufacturer	DLP Design
Literature	DLP-IO8-G data sheet v17
Rohs	lead-free DLP-IO8-G

DLPIO8G Specifications

PARAMETER	VALUE
Applications	USB process monitoring, relative voltage measurement, digital control, and multi-drop DS18B20 temperature logging.
USB 1.1/2.0 bus powered 5 V system	10-bit analog 0-5 V, 4.9 mV resolution
DS18B20 temperature minus 55 C to 125 C	115200 baud single-byte command set
Technical Specifications	Model: DLP-IO8-G

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0-70 C
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Manufacturer	DLP Design
Literature	DLP-IO8-G data sheet v17
Rohs	lead-free DLP-IO8-G Notes From DLP Design DLP-IO8-G data sheet v17. Absolute voltage accuracy is explicitly unspecified because the ADC reference is the USB 5 V rail; do not invent a percent-of-reading spec.

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	DLP-I08-G
Instrument Type	USB 8-channel data acquisition module
Channel Count	8 independently configurable
Host Interface	USB 1.1 and USB 2.0
Supply	5 V from host USB port
Baud Rate	115200
Analog Resolution	10-bit, 4.9 mV (5 V / 1024)
Analog Range	0-5 V
Analog Accuracy	not specified; ADC reference is host USB 5 V; relative measurements
Temperature Sensor	DS18B20+ purchased separately, up to eight sensors
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Literature	DLP-I08-G data sheet v17
Rohs	lead-free DLP-I08-G

Notes

From DLP Design DLP-I08-G data sheet v17. Absolute voltage accuracy is explicitly unspecified because the ADC reference is the USB 5 V rail; do not invent a percent-of-reading spec.

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 ·
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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.