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Data Sheet

August 15, 2026

ADVANTECH

Advantech MIC-2730 16-Channel Isolated Digital Input Module

The Advantech MIC-2730 is a 16-channel isolated digital input module designed for industrial automation applications. It provides reliable and secure data acquisition with channel isolation to protect against electrical interference and voltage spikes. Ideal for connecting to sensors, switches, and other digital devices in harsh industrial environments.



MODEL

Advantech MIC-2730

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MIC-2730

LISTING

<https://aumictechlabs.com/products/mic-2730-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantech MIC-2730 is a 16-channel isolated digital input module for industrial automation and data acquisition. It accepts dry contact and wet contact signals up to 30 VDC, with 2500 VDC isolation between channels to eliminate ground loop interference and transient voltage coupling. Configurable debounce filtering suppresses noise-induced false triggers. Built-in overvoltage and reverse polarity protection safeguard against field wiring faults. The module mounts on DIN rail in a ruggedized enclosure and connects via removable screw terminal blocks. It operates from 10 to 35 VDC supply voltage across industrial temperature ranges. Technical Specifications Channels: 16 isolated digital inputs Input Types: Dry contact (open/closed detection) or wet contact (0–30 VDC) Isolation Voltage: 2500 VDC Wet Contact Input Impedance: Configurable, typically kΩ range

Input Filtering: Configurable debounce time Protection: Overvoltage and reverse polarity protection Power Supply: 10–35 VDC Connection: Removable screw terminal blocks Form Factor: DIN-rail mount, ruggedized industrial enclosure Operating Temperature: Industrial range (for exact limits) Operating Humidity: Non-condensingKey Features Channel isolation eliminates noise coupling and transient voltage spikes Accepts both dry and wet contact sensor inputs Programmable debounce prevents chatter from mechanical switches Field-proven overvoltage and polarity protection Compact DIN-rail packaging for control cabinet integration Wide supply voltage acceptance (10–35 VDC) suits diverse field power systemsTypical Applications Discrete sensor and limit switch monitoring in manufacturing Plant safety interlocks and emergency stop networks Process control signal acquisition in harsh environments PLC and industrial controller input stagesCompatibility & Integration Connects to host systems via removable screw terminals. Communication protocol and host interface options depend on system configuration.

MIC2730 Characteristics / Specifications

PARAMETER	VALUE
Model	MIC-2730
Instrument Type	16-channel isolated digital input module
Digital Input Channels	16
Input Mode	isolated or non-isolated jumper selectable
Indicator Leds	16
Isolation Class	optical isolation on DI paths
Family Companions	MIC-2718 16-channel AI MIC-2728 4-channel isolated AO
Mic 2728 Ao Channels	4
Mic 2728 Resolution	12 bit double-buffered
Mic 2728 Isolation	over 500 VDC bus isolation
Mic 2718 Ai Channels	16 single-ended or 8 differential switch selectable
Form Factor	MIC series module
Channel Count Numeric	16
Led Count	16
Ao Companion Isolation Vdc	500
Ao Companion Resolution Bits	12
Ao Companion Channels	4
Ai Companion Max Single Ended	16
Ai Companion Max Differential	8
Primary Function	digital input status monitoring
Optical Isolation	yes
Jumper Modes	2 (isolated/non-isolated)

MIC2730 Specifications

PARAMETER	VALUE
Key Features	16 optically isolated digital input channels
Designed for limit switch alarm and sensor monitoring	Companion to MIC-2718 AI and MIC-2728 AO modules
Technical Specifications	Model: MIC-2730

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 Advantech MIC-2730 / MIC-2700 family product literature. Expand with absolute input voltage and current limits from the full MIC-2730 datasheet when available.	

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.