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Data Sheet

August 15, 2026

ADVANTECH

Advantech MIC-2340 CPU Module

Advantech Embedded Test Systems. Voltage / Current Range: 12 VDC (add-on card supply).



MODEL

Advantech MIC-2340

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MIC-2340

LISTING

<https://aumictechlabs.com/products/mic-2340-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantech MIC-2340 is a modular CPU platform designed for industrial embedded systems and control applications requiring reliable performance in demanding environments. Built on an ISA-bus passive backplane architecture, the module integrates field-replaceable power delivery, vibration-isolated mounting, and expandable I/O capabilities within a compact form factor supporting both panel and 19" rackmount installations.

Technical Specifications

Backplane: ISA-bus passive backplane, 8 or 11-slot configurations

Power Supply: Field-replaceable 250 W unit

Additional Card Power: 12 VDC from onboard connector for high-power add-on cards

Mounting: 4-point vibration-isolation scheme; secured on all four sides for shock and vibration protection

Cooling: Dual push/pull fan system with positive air pressure dust repulsion

Air Filtration: Field-removable filter element

Module Extraction: Integrated handle for rapid installation and removal, reducing MTTR

Key Features

Passive Backplane Architecture: ISA-bus interface eliminates active backplane complexity and improves system reliability

Thermal Management: Positive pressure cooling with optional smart-function system fans for add-on card thermal control

Field Serviceability: Direct PLC-type wiring reduces maintenance time; all power supplies and filters are

field-replaceable Mechanical Robustness: 4-point isolation mounting and full-perimeter mechanical protection withstand shock and vibration typical of industrial installations Storage Expansion: Additional HDD/SSD bays available, including removable storage options Compatibility & Integration The MIC-2340 supports PCIe/PCI interface add-on cards including frame grabbers, GPUs, and motion control modules. Each card draws power from the PCIe/PCI slot; modules exceeding slot power budgets access the reserved 12 VDC onboard supply. Front panel I/O is directly accessible for sensor and actuator connections. The modular architecture enables custom configurations without redesign of the host platform.

MIC2340 Characteristics / Specifications

PARAMETER	VALUE
Model	MIC-2340
Instrument Type	Industrial CPU module
Host System	Advantech MIC-2000 Modular Industrial Controller
Processor Class	Intel DX4
Processor Clock Class	100 MHz on documented MIC-2340 population
Memory Class	16 MB on documented MIC-2340 population
Backplane	ISA-bus passive backplane
Slot Options	8 or 11-slot ISA-bus passive backplane
Mounting	panel or 19 inch rackmount
Field Wiring	direct PLC-type field wiring
Front Access	front panel I/O access
Mounting Scheme	4-point mounting scheme
Air Filter	field removable air filter
Manufacturer	Advantech
Use Case	industrial ISA CPU
Literature	Advantech MIC-2000 / MIC-2340 product listings
Family	Advantech MIC-2000
Documentation Type	OEM MIC-2000 CPU module listing
Brand Lineage	Advantech
System Role	industrial CPU card
Form Factor	MIC-2000 CPU module
Bus	ISA
Environment Class	harsh or vibration-prone industrial
Upgrade Class	modular CPU and peripheral card replacement
Year Class	MIC-2000 modular industrial controller family

MIC2340 Specifications

PARAMETER	VALUE
Applications	Industrial ISA-bus embedded control in MIC-2000 8- or 11-slot racks.
Key Features	MIC-2000 CPU module
Intel DX4 100 MHz class	16 MB documented population
ISA passive backplane	8 or 11 slot industrial chassis
Technical Specifications	Model: MIC-2340

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-2000 literature and documented MIC-2340 DX4 100 MHz / 16 MB population. Cache, chipset, and exact I/O map are on the MIC-2340 hardware manual.

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.