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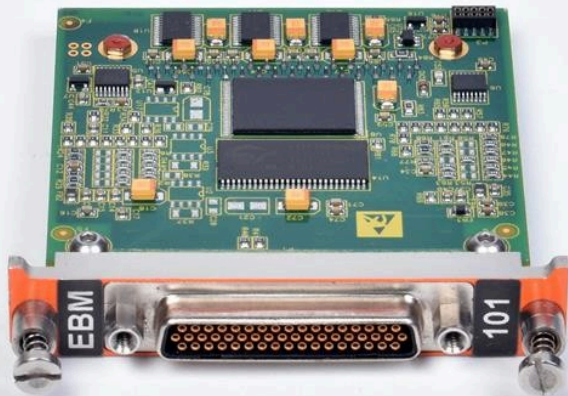
Data Sheet

August 15, 2026

CURTISS-WRIGHT / ACRA CONTROL

Curtiss-Wright / ACRA Control KAD/EBM/101/B/00 1-Channel Ethernet Bus Monitor Parser Module - Conformal Coated

The Curtiss-Wright/ACRA Control KAD/EBM/101/B/00 is a 1-channel Ethernet bus monitor parser module, conformal coated for enhanced durability. It enables efficient monitoring and parsing of Ethernet bus traffic in harsh environments.



MODEL

Curtiss-Wright /
ACRA Control
KAD/EBM/101/B/00

CALIBRATION

Available on
request

CONDITION

Used

STATUS

In stock

RFQ / SKU

KAD/EBM/101/B/00

LISTING

<https://aumictechlabs.com/products/kad-ebm-101-b-00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/ACRA Control KAD/EBM/101/B/00 is a single-channel Ethernet bus monitor parser module that captures and analyzes Fast Ethernet traffic within the ACRA KAM-500 modular system. Operating on 100BaseTX IEEE 802.3u standard interfaces, the module parses Ethernet traffic at the IP layer and distributes processed data to other KAM-500 modules. Conformal coating enhances durability in harsh operational environments. The module consumes 1.03–1.85 W total power and weighs 75 g. Technical Specifications Ethernet Interface: Single 100BaseTX IEEE 802.3u compliant channel over 100 Ω CAT5 UTP cable Link Negotiation: Auto-negotiation supported for full/half-duplex modes Parsing Layer: IP-layer traffic parsing and flow identification

Classification Capacity: Up to 254 unique flows identified using 8×16 -bit frame field selectors
Classification Fields: MAC addresses, IP addresses, IP length, protocol type (UDP/TCP), port numbers
Identification Method: Parameter-based with optional field masking
Counters: Valid and error frame counters with packet count tagging
Timestamps: Per-flow timestamp tagging
Error Detection: Ethernet and IP layer error detection
Promiscuous Mode: Optional support for observing all link traffic
Management Traffic: ARP and ICMP-PING excluded by default; selectable via parser slot 254
Power Consumption: 1.03–1.85 W
Mass: 75 g (2.65 oz)
Conformal Coating: Yes
Key Features
Single-channel 100BaseTX input with auto-negotiation
Flexible traffic classification across 8 selectable 16-bit frame fields
Supports up to 254 concurrent flow identifications
Integrated frame error and IP layer error detection
Optional promiscuous mode for complete link monitoring
Conformal coating for enhanced environmental durability
System Integration
Designed for deployment in any user-slot within the ACRA KAM-500 system. Multiple KAD/EBM/101 modules may be placed in any combination. Parsed traffic data distributes to other KAM-500 modules for further processing.

KADEBM101B00 Characteristics / Specifications

PARAMETER	VALUE
Model	KAD/EBM/101/B/00
Instrument Type	KAM-500 Ethernet bus monitor
Ethernet	Fast Ethernet 10/100 Mbps single port
Monitor Modes	all traffic or only addressed/broadcast to the module
Classifier Fields	8 × 16-bit frame fields (MAC/IP/protocol type class)
Mac Oui	00-0C-4D first three bytes on Curtiss-Wright EBM modules
Setup Tools	kSetup and DAS Studio 3
Mechanical Package	KAM-500 module
Family	Acra KAM-500
Manufacturer	Curtiss-Wright / ACRA Control
Related Controller	KAD/BCU/105 Ethernet backplane controller
Related Ethernet Tx	KAD/ETH/001 and KAD/ETH/101 IENA sources
Application Class	flight test Ethernet/IENA monitoring
Channels	1
Product Category	data acquisition bus monitor
Revision Code	B/00 catalog product code
Payload Example	IENA transport in UDP from KAD/BCU/105 parsed from data word 21 upward
Type Class	AE-FTI-DAU
Host Chassis	KAM/CHS/06U and KAM/CHS/13U class chassis
Filter Action	matching frames parsed; non-matching discarded
Addressing	user-assigned IP plus last three MAC bytes in Setup tab
Network Role	passive monitor on 10/100 networks
Family Group	KAM-500 overhead / monitor

KADEBM101B00 Specifications

PARAMETER	VALUE
Applications	Flight-test Ethernet/IENA traffic monitoring, filtering, and parsed parameter extraction inside a KAM-500 chassis.
Key Features	Single-port 10/100 Mbps Ethernet monitor
Promiscuous or addressed capture	Eight 16-bit frame-field classifiers
Technical Specifications	Model: KAD/EBM/101/B/00

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 Curtiss-Wright TEC-NOT-046 Using the KAD/EBM/101. B/00 is the catalog revision. Confirm IP/MAC programming and whether the module is set for promiscuous or addressed capture.	

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.