



Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

EMERSON / MOTOROLA

Emerson / Motorola MVIP-301 IP-Serial Module

The Emerson/Motorola MVIIP-301 IP-Serial Module provides a communication interface between IP networks and serial devices. This module enables remote access and control of serial devices over an IP network, enhancing connectivity and management capabilities. Ideal for industrial automation and control systems, it ensures reliable data transmission and network integration.



MODEL	CALIBRATION
Emerson / Motorola MVIP-301	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
MVIP-301	https://aumictechlabs.com/products/mvip-301-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Emerson/Motorola MVIP-301 is an IP-Serial Module that bridges serial devices and IP networks, enabling remote access and control of legacy serial equipment over standard IP infrastructure. This IndustryPack module integrates into carrier systems via 50-pin connectors, allowing serial-based industrial equipment to communicate across distributed networks without replacing existing devices. It prioritizes reliable data transmission and straightforward network integration for industrial automation and control environments.

Technical Specifications

Product Type:	IP-Serial Module (IndustryPack format)
Manufacturer:	Emerson / Motorola
Model:	MVIP-301
Form Factor:	IndustryPack (IP) module; Single Size (1.8" × 3.9") and Double Size (3.6" × 3.9") versions available
Backplane Interface:	50-pin connector
Key Features	Serial communication ports supporting EIA-232-D and EIA-422 communication levels IP network interface for standard

network connectivity Modular design enables mix-and-match functionality with other IndustryPack components Power supplied directly from host system backplane Supports eight channels of asynchronous serial communications (based on related IndustryPack architecture) Transparent data bridging between serial and IP domains Typical Applications Industrial automation systems requiring serial device networking Remote monitoring and control of distributed serial equipment Legacy system integration into modern IP-based infrastructures Equipment in inaccessible or geographically dispersed locations Compatibility & Integration The MVIP-301 integrates with any carrier or backplane system supporting IndustryPack modules. Its modular architecture enables expansion of serial communication capabilities without redesigning host systems. Compatible with legacy serial protocols and devices, facilitating straightforward migration of older equipment to IP-networked environments.

MVIP301 Characteristics / Specifications

PARAMETER	VALUE
Model	MVIP-301
Instrument Type	IndustryPack serial module
Form Factor	IndustryPack
Host Family	Motorola MVME IP carriers
Brand Path	Motorola / Emerson
Use Case	serial I/O expansion
Bus	IndustryPack
Related Carrier Class	MVME IP sites
Serial Role	asynchronous serial channels
System Role	IP serial mezzanine
Manufacturer	Motorola Emerson
Partner Sbc Class	MVME VME single board computers
Operating Use	industrial embedded serial
Connector Class	IP I/O via carrier front or rear
Protocol Class	UART serial
Slot	single IP site
Logical Address Class	IP IO/memory space
Interrupt Class	IP INT0/INT1 as wired
Reset Behavior	IP reset from carrier
Cooling	carrier airflow
Power Rails	IP logic 5 V class
Form Factor Depth	IP mezzanine
Documentation	MVIP-301 IP serial notes

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	MVIP-301
Instrument Type	IndustryPack serial module
Form Factor	IndustryPack
Host Family	Motorola MVME IP carriers
Brand Path	Motorola / Emerson
Use Case	serial I/O expansion
Bus	IndustryPack
Related Carrier Class	MVME IP sites
Serial Role	asynchronous serial channels
System Role	IP serial mezzanine
Manufacturer	Motorola Emerson
Partner Sbc Class	MVME VME single board computers
Operating Use	industrial embedded serial
Connector Class	IP I/O via carrier front or rear
Protocol Class	UART serial
Slot	single IP site
Logical Address Class	IP IO/memory space
Interrupt Class	IP INTO/INT1 as wired
Reset Behavior	IP reset from carrier
Cooling	carrier airflow
Power Rails	IP logic 5 V class
Form Factor Depth	IP mezzanine
Documentation	MVIP-301 IP serial notes
Notes	
From Emerson/Motorola MVIP-301 catalog identity (IP-Serial Module). Channel count, baud, and connector pinout belong on the MVIP-301 installation guide.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.