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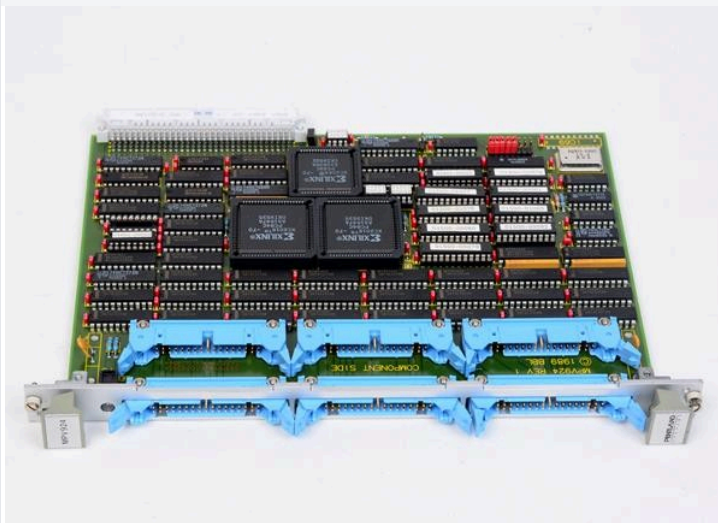
Data Sheet

August 15, 2026

CURTISS-WRIGHT / PENTLAND SYSTEMS

Curtiss-Wright / Pentland Systems MPV924 Digital Input/Output Board

Curtiss-Wright Pentland MPV924 VME Digital Input Output Board The Pentland Systems / Curtiss-Wright MPV924 isaVMEbus digital input/output board. Catalog title lists MPV924 as a digital input/output board in the Pentland MPV family (MPV991 is the timer/counter sibling). It provides parallel discrete I/O for VME control systems. VME discrete control, status, and interlock I/O. Instrument Type: VME digital input/output board The Pentland Systems / Curtiss-Wright MPV924 isaVMEbus digital input/output board. Catalog title lists MPV924 as a digital input/output board in the Pentland MPV family (MPV991 is the timer/counter sibling). It provides parallel discrete I/O for VME control systems. VME discrete control, status, and interlock I/O. Instrument Type: VME digital input/output board Manufacturer: Pentland Systems / Curtiss-Wright



MODEL

**Curtiss-Wright /
Pentland Systems
MPV924**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MPV924

LISTING

[https://aumictechlabs.c
om/products/mpv924-
2/](https://aumictechlabs.com/products/mpv924-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/Pentland Systems MPV924 is a 6U VMEbus digital input/output board delivering 96 TTL-compatible channels for industrial control, data acquisition, and automation

systems. Each channel is individually programmable as input or output, with group configuration via DATA DIRECTION REGISTER. The board sources VMEbus interrupts across seven software-selectable levels and monitors 16 I/O lines with custom-programmable change-of-state detection. Six 34-way latching IDC connectors provide field access, compatible with Burr-Brown termination panels for screw-terminal wiring. Technical Specifications Form Factor: 6U Single Width Digital Channels: 96 TTL-compatible channels, individually or group-programmable Channel Configuration: Programmable as inputs or outputs; channels reset to input on power-up, SYSRESET, or SOFTRESET Interrupt Monitoring: 16 I/O lines with software-programmable change-of-state response Interrupt Control: Two 16-bit interrupt registers; software-selectable levels 1-7 I/O Connectors: Six 34-way latching IDC connectors VMEbus Interface: A16/A24:D16/D08(E0) addressing; DTB Slave; IRQ 1-7 Power Supply: +5V DC $\pm 5\%$ @ 2A max (VME bus); +5V DC @ 450mA typical for outputs (fused) Operating Temperature: 0°C to 60°C Key Features TTL input thresholds: 0.8V DC max (low), 2.0V DC min (high) TTL output levels: 0.5V DC max (low), 2.4V DC min (high) Output drive: 24mA DC max (low), 2.6mA DC max (high) Input impedance: 60 μ A DC max (high level), -0.62mA DC max (low level) Change-of-state hysteresis: 0.2V DC min IEEE STD 1014-1987 VMEbus compliance (electrical and mechanical) Typical Applications Industrial automation and discrete logic control Multi-channel data acquisition systems Process monitoring and supervisory control Test and measurement equipment integration Compatibility & Integration VMEbus: IEEE STD 1014-1987 Termination Panels: Burr-Brown PCI-20058T-1 and PCI-20025T-2 (screw terminal connection)

MPV924 Characteristics / Specifications

PARAMETER	VALUE
Model	MPV924
Instrument Type	VME digital input/output board
Bus	VMEbus
Family	Pentland Systems MPV
Related Timer	MPV991 VME timer/counter
Form Factor	VME board
Manufacturer	Pentland Systems / Curtiss-Wright
Use Case	discrete DIO on VME
Control	VME registers
Operating Temperature Class	commercial VME
Literature	Curtiss-Wright Pentland MPV924 listings
Functions	digital input and output
Documentation Type	OEM VME I/O catalog
Brand Lineage	Pentland Curtiss-Wright
System Role	discrete I/O
Slot	VME slot
Addressing	VME A16/A24 class
Interrupts	VME IRQ class
Power	VME backplane
Revision	MPV924
Direction	programmable I/O class per MPV sheet
Calibration Source	OEM published specifications
Operating temperature	Class: commercial VME

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial VME
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Revision	MPV924
Direction	programmable I/O class per MPV sheet
Calibration Source	OEM published specifications Notes From Curtiss-Wright / Pentland MPV924 VME digital I/O catalog identity. Channel count, voltage, and drive current are on the MPV924 data sheet.

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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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.