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Data Sheet

August 15, 2026

EMERSON / MOTOROLA

Emerson / Motorola IPMC761 Multifunction I/O Module

Emerson Motorola IPMC761 Multifunction I/O Module The Emerson/Motorola IPMC761 isaPMC multifunction I/O module for MVME/PowerPlus SBCs. OEM Motorola Computer Group IPMC761 data list PMC form factor, serial plus Ethernet plus SCSI-class I/O expansion on PowerPC single-board computers (MVME5100/5110-class hosts), 32-bit PCI PMC, and front/rear I/O. Adding LAN, SCSI, and serial I/O to Motorola/Emerson VME SBCs withoutasecond PMC site for each function. Instrument Type: PMC multifunction I/O module The Emerson/Motorola IPMC761 isaPMC multifunction I/O module for MVME/PowerPlus SBCs. OEM Motorola Computer Group IPMC761 data list PMC form factor, serial plus Ethernet plus SCSI-class I/O expansion on PowerPC single-board computers (MVME5100/5110-class hosts), 32-bit PCI PMC, and front/rear I/O. Adding LAN, SCSI, and serial I/O to Motorola/Emerson VME SBCs withoutasecond PMC site for each function. Instrument Type: PMC multifunction I/O module Host Sbc Class: Motorola MVME5100/5110 PowerPlus class



MODEL

**Emerson /
Motorola IPMC761**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

IPMC761

LISTING

[https://aumictechlabs.c
om/products/ipmc761-
2/](https://aumictechlabs.com/products/ipmc761-2/)

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NAICS 423690 • 811210 • 541380

This unit

The Emerson/Motorola IPMC761 is a PMC form factor multifunction I/O module engineered for industrial automation and control systems. This card integrates a PCI-to-ISA bridge, ultra-wide SCSI adapter, and Super I/O functionality to support versatile sensor, actuator, and device interfacing. Built on PowerPlus II architecture, it delivers multiple serial ports, parallel port capability, and SCSI connectivity in a single-wide, standard-length package compatible with Motorola Single Board Computers including the MVME5100, MVME5500, and MVME6100, while maintaining backward compatibility with legacy MVME761 and MVME712M modules.

Technical Specifications

Form Factor & Architecture PMC (PCI Mezzanine Card), single-wide standard length PowerPlus II architecture 32-bit PCI interface to IEEE P1386.1 PMC-compliant host boards

Serial Ports (IPMC761-001) Two asynchronous serial ports (16C550 UART, EIA-574 DTE) Two synchronous/asynchronous serial ports (85230/8536 controller) Baud rate: up to 38.4K asynchronous, 2.5M synchronous

Connectors DB-9 for asynchronous; HD-26 for sync/async ports

SCSI Interface One single-ended ultra-wide SCSI port Synchronous transfer rate: 40 MB/s across 16-bit bus Backward compatible with MVME761 and P2 adapter cards

Parallel Port One 8-bit bidirectional IEEE 1284 compliant port Centronics compatible, master-only operation

Power Consumption +5V: 0.5 A typical +12V: 0.2 A typical, 0.5 A maximum -12V: 0.1 A typical, 0.3 A maximum Powered via +5V and +3.3V through PMC connectors

Key Features Integrated PCI-to-ISA bridge eliminates need for separate expansion logic Ultra-wide SCSI with 40 MB/s throughput supports high-speed storage and peripheral connectivity Four serial ports provide flexible legacy and modern device integration Full IEEE 1284 parallel port for printer and data acquisition equipment

Typical Applications Industrial control systems, embedded real-time platforms, legacy device integration, storage subsystem connectivity, multi-port serial communication gateways.

Compatibility & Integration Designed for MVME5100, MVME5500, and MVME6100 SBC platforms.

Connectors P11, P12, P13 provide 32-bit PCI interface; P14 routes I/O signals including narrow SCSI, parallel, serial, and power; P15 carries remaining SCSI data lines.

IPMC761 Characteristics / Specifications

PARAMETER	VALUE
Model	IPMC761
Instrument Type	PMC multifunction I/O module
Form Factor	PMC
Pci Width	32-bit PCI PMC
Host Sbc Class	Motorola MVME5100/5110 PowerPlus class
Functions	Ethernet SCSI and serial class multifunction I/O
Manufacturer	Emerson Motorola
Mechanical Package	single PMC mezzanine
Io Routing	front and rear I/O
Bus	PCI mezzanine card on VME SBC
Documentation	Motorola Computer Group IPMC761 data
Application Class	SBC I/O expansion
Related Carrier	MVME PMC site
Power	from PMC 3.3/5 V as published for IPMC761
Operating System Class	VxWorks/Linux BSPs for MVME5100 class
Ethernet Class	10/100 class as on IPMC761
Scsi Class	SCSI I/O as on IPMC761
Serial Class	asynchronous serial as on IPMC761
Hot Swap Class	PMC on VME host as configured
Duty	continuous embedded I/O
Grounding	SBC chassis ground
Family	Motorola IPMC PMC I/O
Host Bus	VME SBC PMC site

IPMC761 Specifications

PARAMETER	VALUE
Emerson Motorola IPMC761 Multifunction I/O Module	Overview
Ethernet plus SCSI plus serial class	32-bit PCI PMC
Technical Specifications	Model: IPMC761

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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Form Factor	PMC
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Manufacturer	Emerson Motorola
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Application Class	SBC I/O expansion
Related Carrier	MVME PMC site
Power	from PMC 3.3/5 V as published for IPMC761
Operating System Class	VxWorks/Linux BSPs for MVME5100 class
Ethernet Class	10/100 class as on IPMC761
Scsi Class	SCSI I/O as on IPMC761
Serial Class	asynchronous serial as on IPMC761
Hot Swap Class	PMC on VME host as configured
Duty	continuous embedded I/O
Grounding	SBC chassis ground
Family	Motorola IPMC PMC I/O
Host Bus	VME SBC PMC site
Notes	
From Motorola Computer Group / Emerson IPMC761 PMC multifunction I/O product data for MVME5100-class hosts. Confirm exact Ethernet/SCSI/serial mix on the installed board silkscreen.	

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.