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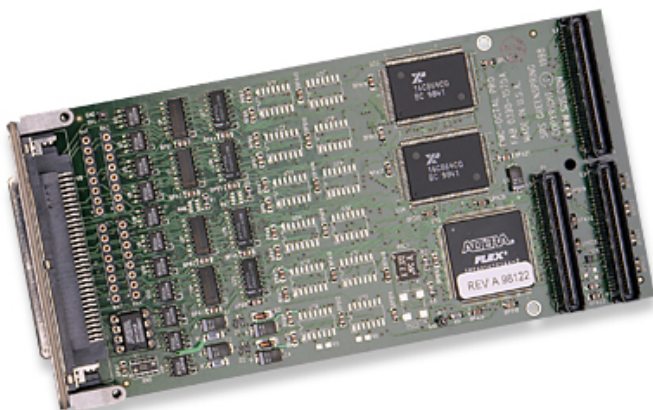
Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring PMC-Octal Pro-232 Serial Communication PMC

The Abaco Systems PMC-Octal Pro-232 is a PCI Mezzanine Card (PMC) that delivers eight asynchronous RS-232 serial communication channels in a compact, high-density form factor. Built around dual Quad UART architecture, this module supports software-configurable baud rates from 50 bps to 460.8 kbps and includes 128 bytes of transmit and receive FIFO buffering per channel. Standard asynchronous baud rates are generated by an on-board 7.3728 MHz oscillator, with an unpopulated oscillator site available for custom frequency implementation. The PMC-Octal Pro-232 routes serial signals Tx/D, Rx/D, CTS, RTS, DSR, and DTR per channel - to both a front-panel 68-pin connector and the PMC back panel (P4) I/O connector, enabling flexible integration into embedded systems and data communications platforms. Compatibility & Integration Asynchronous serial drivers are available for Windows NT, VxWorks, and

**MODEL****Abaco Systems /
SBS / Greenspring
PMC-Octal Pro-
232****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****PMC-Octal Pro-
232****LISTING**<https://aumictechlabs.com/products/pmc-octal-pro-232-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Abaco Systems PMC-Octal Pro-232 is a PCI Mezzanine Card (PMC) that delivers eight asynchronous RS-232 serial communication channels in a compact, high-density form factor. Built around dual Quad UART architecture, this module supports software-configurable baud rates from 50 bps to 460.8 kbps and includes 128 bytes of transmit and receive FIFO buffering per channel. Standard asynchronous baud rates are generated by an on-board 7.3728 MHz oscillator, with an unpopulated oscillator site available for custom frequency implementation. The PMC-Octal Pro-232 routes serial signals Tx, Rx, CTS, RTS, DSR, and DTR per channel - to both a front-panel 68-pin connector and the PMC back panel (P4) I/O connector, enabling flexible integration into embedded systems and data communications platforms.

Technical Specifications

- Eight asynchronous RS-232 serial channels via dual Quad UARTs
- Programmable baud rate: 50 bps to 460.8 kbps
- Oscillator: 7.3728 MHz on-board standard; custom oscillator site available
- FIFO buffers: 128 bytes transmit, 128 bytes receive per channel
- Four programmable transmit/receive FIFO interrupt trigger levels
- Programmable bit length, parity, and stop bits
- IEEE P1386.1 PMC standard compliant

Key Features

- Dual 68-pin and PMC back panel connectors for signal routing
- Breakout cables and 68-pin terminal blocks support rapid prototyping
- Full modem control signal support (CTS, RTS, DSR, DTR) per channel
- Independent FIFO interrupt configuration for each transmit/receive pair

Typical Applications

- Embedded systems requiring dense serial port integration
- Data acquisition and telemetry systems
- Industrial control and SCADA networks
- Laboratory instrumentation interfaces

Compatibility & Integration

Asynchronous serial drivers are available for Windows NT, VxWorks, and Linux (kernel 2.6.0). The module integrates into any PMC-compatible carrier board supporting the PCI Mezzanine specification.

PMCOCTALPRO232 Characteristics / Specifications

PARAMETER	VALUE
Model	PMC-Octal Pro-232
Instrument Type	octal RS-232 serial PMC
Channel Count	8
Electrical Standard	RS-232
Form Factor	PMC
Manufacturer Line	SBS / GreenSpring / Abaco
Uart Architecture Class	octal UART class
Data Rates Class	asynchronous serial rates to UART limits
Host Bus	PMC PCI
Carrier Compatibility	VME and CompactPCI PMC carriers
Operating Temperature Class	0 C to 55 C commercial class
Storage Temperature Class	minus 40 C to 85 C class
Humidity Class	noncondensing
Power Source	PMC 3.3 V / 5 V rails class
Connector Class	front panel or rear I/O personality
Driver Support Class	VxWorks and Linux class drivers
Series Family	PMC-Octal Pro
Related Model	PMC-Octal Pro-232 RS-232 variant
Interrupt Support Class	PCI interrupt per module class
Fifo Class	UART FIFO buffered class
Flow Control Class	hardware/software flow class
Isolation Class	configuration dependent
Emi Class	PMC front panel EMI practice
Weight Class	single PMC module
Storage temperature	Class: minus 40 C to 85 C class

PARAMETER	VALUE
Operating temperature	Class: 0 C to 55 C commercial class
Humidity	Class: noncondensing

PMCOCTALPRO232 Specifications

PARAMETER	VALUE
Applications	Multi-port RS-232 communications on PMC carriers, industrial serial concentration, and embedded avionics/ground system serial expansion.
Key Features	Eight RS-232 serial channels
Technical Specifications	Model: PMC-Octal Pro-232

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 85 C class
Operating temperature	Class: 0 C to 55 C commercial class
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Humidity	Class: noncondensing
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Storage Temperature Class	minus 40 C to 85 C class
Humidity Class	noncondensing
Power Source	PMC 3.3 V / 5 V rails class
Connector Class	front panel or rear I/O personality
Driver Support Class	VxWorks and Linux class drivers
Series Family	PMC-Octal Pro
Related Model	PMC-Octal Pro-232 RS-232 variant
Interrupt Support Class	PCI interrupt per module class
Fifo Class	UART FIFO buffered class
Flow Control Class	hardware/software flow class
Isolation Class	configuration dependent
Emi Class	PMC front panel EMI practice
Weight Class	single PMC module Notes Capability rows from Abaco/SBS/GreenSpring PMC-Octal Pro-232 catalog descriptions. Exact baud ceilings and connector pinouts follow the Pro-232 hardware revision.

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

Capability rows from Abaco/SBS/GreenSpring PMC-Octal Pro-232 catalog descriptions. Exact baud ceilings and connector pinouts follow the Pro-232 hardware revision.

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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sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.