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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring IP-Octal-232 IndustryPack Module

The Abaco Systems IP-Octal-232 is a single-wide IndustryPack module providing eight asynchronous RS-232 serial communication ports in a compact 1.8 × 3.9 inch footprint. Built around the Signetics SCC2698B octal UART, the module delivers high serial port density with full handshaking support (RXD, TXD, RTS, CTS) on each channel, plus eight TTL-level general-purpose input lines. Each receiver incorporates a 3-character FIFO buffer to tolerate extended interrupt latencies without data loss. Typical Applications Industrial automation, data acquisition systems, legacy serial device integration, and embedded systems requiring multiple asynchronous communication ports within space-constrained environments. Compatibility & Integration Complies with ANSI/VITA-4 IndustryPack standard. VxWorks and Windows NT/2000 drivers available. Interfaces via standard 50-conductor ribbon cable with optional

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Serial Ports: 8 × EIA-232 asynchronous channels

UART: Signetics SCC2698B octal controller

Receiver FIFO: 3 characters per channel

Baud Rates: 18 programmable steps, up to 38.4 kbps

Data Bits, Parity, Stop Bits: Fully programmable per channel

Timers: 4 × independent 16-bit timers

Interrupts: 32 maskable, vectored sources; channels a–d on IRQ0, channels e–h on IRQ1

DMA Support: 2 channels (RTS unavailable when enabled)

Power: +5 VDC @ 170 mA (typical), +12 VDC @ 22 mA, –12 VDC @ 9 mA

Connector: 50-conductor ribbon cable; optional panel with 16 DB-9 connectors available

Key Features

- Compact single-wide form factor complying with ANSI/VITA-4
- Dual interrupt request lines distribute channel load across IRQ0 and IRQ1
- Two channels support DMA operation for reduced CPU overhead
- User-selectable shunts configure IndustryPack Strobe pin as clock input or output
- Three-character RX FIFO per channel reduces interrupt servicing demands

Typical Applications

Industrial automation, data acquisition systems, legacy serial device integration, and embedded systems requiring multiple asynchronous communication ports within space-constrained environments.

Compatibility & Integration

Complies with ANSI/VITA-4 IndustryPack standard. VxWorks and Windows NT/2000 drivers available. Interfaces via standard 50-conductor ribbon cable with optional DB-9 connection panel for field deployment.

IPOCTAL232 Characteristics / Specifications

PARAMETER	VALUE
Model	IP-Octal-232
Alternate Name	IP-Octal Serial
Instrument Type	eight port RS-232 IndustryPack
Card Format	single wide IndustryPack ANSI VITA 4
Serial Ports	8
Interface Standard	EIA-232 asynchronous
Signals Per Port	RXD TXD RTS CTS
Uart Device	Signetics SCC2698B
Receiver Fifo Depth	3 characters per channel
Baud Rates Programmable	18 rates
Baud Rate Maximum	38.4 kbps
Data Format	programmable bit length parity and stop bits
Gpio Inputs	8 TTL level general purpose inputs
Timers	4 independent 16-bit timers
Dma Capable Channels	2 serial channels may be configured for DMA
Cts Auto Control	automatic CTS transmitter control supported
Change Of State Interrupts	supported
Module Width	single wide
Part Number Examples	95021 0340-1033 91410332
Carrier Interface	IndustryPack logic interface
Dimensions Typical Ip	1.800 by 3.900 by 0.340 inches maximum
Mezzanine Standard	ANSI VITA 4 IndustryPack
Logic Connector	IndustryPack logic interfaceIOConnector: IndustryPack 50-pin I/O class

IPOCTAL232 Specifications

PARAMETER	VALUE
Applications	Multi-port console and instrument control, modem banks, factory serial concentrators, and ATE RS-232 fan-out on IndustryPack carriers.
Key Features	Eight EIA-232 ports with hardware flow control signals
Technical Specifications	Model: IP-Octal-232

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 Greenspring SBS Abaco IP-Octal Serial / IP-Octal-232 Artisan OEM descriptions. Confirm connector pinout against the carrier I/O transition module.	

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.