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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS / GREENSPRING

Abaco Systems / SBS / Greenspring IP-Octal 485 IndustryPack

IndustryPack Octal 485 module for industrial control and data acquisition systems.

**MODEL****Abaco Systems /
SBS / Greenspring
IP-Octal 485****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****IP-Octal 485****LISTING**[https://aumictechlabs.c
om/products/ip-octal-4
85-2/](https://aumictechlabs.com/products/ip-octal-485-2/)

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NAICS 423690 · 811210 · 541380

This unit

The IP-Octal 485 is a single-wide Type I IndustryPack module delivering eight EIA-485 asynchronous serial ports for industrial control and data acquisition applications. Built on the Signetics SCC2698B octal UART, It has programmable serial communication with configurable baud rates, data bits, parity, and stop bits across all channels. Technical Specifications Form Factor: Single-wide Type I IndustryPack (ANSI/VITA-4 compliant) Serial Ports: 8 asynchronous EIA-485 channels Signals per Channel: DX+, DX-, GND UART Chipset: Signetics SCC2698B octal UART Programmable Baud Rates: 18 steps up to 38.4 kbps Data Bits: Programmable length Parity Options: Odd, even, or none Stop Bits: Programmable Receiver FIFO: 3-character buffer per channel Timers: 4 independent 16-bit timers Interrupt Sources: 32 maskable, vectored sources Strobe Pin Function: Configurable as clock input or output via user shunts Power Supply: +5 VDC, 285 mA typical Operating Temperature: +10 to +50°C Storage Temperature: -40 to +85°C

Humidity (operating): 5 to 95% non-condensing Dimensions: 1.8 × 3.9 inches Weight: 0.06 kgKey Features Eight independent serial channels eliminate external multiplexing complexity Programmable communication parameters enable adaptation to legacy and modern protocols Four on-module timers support real-time control tasks 32 interrupt sources with masking and vectoring allow flexible system integration Configurable strobe pin extends timing synchronization options Low power consumption reduces thermal load in confined carrier environmentsTypical Applications Industrial serial networks, distributed I/O systems, multi-channel data logging, process control interfaces, and legacy equipment integration requiring EIA-485 connectivity.Compatibility & Integration Complies with ANSI/VITA-4 IndustryPack standard. Compatible transition modules include XM-OCTAL (19" rack-mount DB9 females), XM-OCTAL-6U-D (6U-mount 25D females), XM-OCTAL-6U-RJ8 (6U-mount RJ45), and XM-OCTAL6URJ16 (6U-mount RJ11). Carriers with Champ50 connectors are not compatible. Carriers lacking ID PROM write capability may require on-module memory allocation for interrupt vectors.

IPOCTAL485 Characteristics / Specifications

PARAMETER	VALUE
Model	IP-Octal 485
Instrument Type	eight port RS-485 IndustryPack
Card Format	single wide IndustryPack ANSI VITA 4
Serial Ports	8
Interface Standard	EIA-485 asynchronous
Signals Per Channel	DX+ DX- and GND
Uart Device	Signetics SCC2698B
Receiver Fifo Depth	3 characters per channel
Fifo Description	three-level FIFOs on all receivers
Baud Rates Programmable	18 rates
Baud Rate Maximum	38.4 kbps
Data Format	programmable bit length parity and stop bits
Module Width	single wide
Mezzanine Standard	ANSI VITA 4 IndustryPack
Carrier Interface	IndustryPack logic interface
Catalog Description	general purpose async 485
Related Sibling Models	IP-Octal-232 IP-Octal-422 IP-OctalPlus485
Port Density	8 ports per module
Dimensions Typical Ip	1.800 by 3.900 by 0.340 inches maximum
Logic Connector	IndustryPack logic interfaceIOConnector: IndustryPack 50-pin I/O class
Module Width Class	single wide unless noted
Typical Length	3.900 inches
Typical Width	1.800 inches

IPOCTAL485 Specifications

PARAMETER	VALUE
Applications	Industrial multi-drop RS-485 networks, PLC and instrument buses, and high-density differential serial I/O on IndustryPack carriers.
Key Features	Eight EIA-485 ports on a single-wide IndustryPack
Baud rates to 38.4 kbps with programmable framing	SCC2698B octal UART core
Technical Specifications	Model: IP-Octal 485

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 485 Artisan OEM description. Confirm termination and half-duplex control wiring on the installed 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.