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# CoALM-S4 Adapter

## 4-Port Asynchronous Serial Adapter for Sun SBus Workstations/Servers

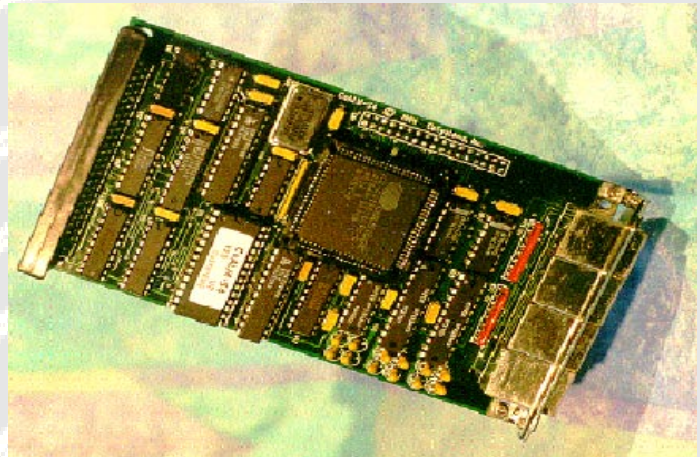
### Product Overview

CoALM-S4 is a single-slot, 4-port serial asynchronous communications adapter for Sun SBus-compatible workstations and servers. An ideal choice for installations in which space is at a premium, the CoALM-S4 has RJ45 cable interface connectors built right into the faceplate, eliminating the need for bulky external distribution panels.

The CoALM-S4 is configured for EIA-232E operation. Four cables are included, each seven feet in length, with an RJ45 (male) connector at one end and a DB25 (female) converter at the other. The DB25 converter may be quickly configured by the user for either Data Terminal Equipment (DTE) or Data Communication Equipment (DCE) operation; detailed pin-out descriptions are included.

In addition to device driver and installation/configuration software for Sunsoft Solaris, a CoALM-S4 diagnostic test utility is included. The utility scans all of the SBus slots within a workstation or server, reports the existence of installed CoALM-S4 adapters, verifies operation of the Universal Asynchronous Receiver/Transmitter (UART) chip on each CoALM-S4, tests the registers on each CoALM-S4, and reports any detected problems.

The CoALM-S4 is one of many CoSystems hardware products used by developers, integrators, private label manufacturers, and end-users. CoSystems hardware products include complete documentation and device drivers for quick and easy installation on a Sunsoft Solaris system. The CoALM-S4 has a mean-time-between-failure (MTBF) rating of 65,000 hours, and is warranted for a period of one year under normal use conditions.



### Features

- Supports 4 serial communications devices at data rates from 50-38,400 bps
- Full modem support on all ports (dial-in/dial-out)
- Hardware (out-of-band) Flow Control using assertion of CTS (outbound data) and RTS (inbound data)
- Software (in-band) Flow Control, using XON/XOFF "start/stop" bits
- Data Buffer Optimization feature minimizes number of interrupts, typically by a factor of 8:1
- Four cables are included, each 7 feet in length, with RJ45 (8-pin/male) & DB25 (25-pin/female) connectors; DB25 connector is configurable by user.
- Dimensions = Standard SBus (5.3" x 3.3")
- Operating Temperature = 0 to 50 degrees Celsius
- Storage Temperature = -20 to 60 degrees Celsius.
- Voltage = +/- 5 VDC (max amps)
- MTBF = 65,000 hours

<u>Supported Signals:</u>	<u>Direction:</u>
Request To Send (RTS)	Output
Data Terminal Ready (DTR)	Output
Transmit Data (TxD)	Output
Data Carrier Detect (DCD)	Input
Receive Data (RxD)	Input
Signal Ground (GND)	---
Data Set Ready (DSR)	(not used)
Clear To Send (CTS)	Input





## **ABOUT COSYSTEMS**

CoSystems, headquartered in the Silicon Valley, is a leading edge Technology solution providing company that has a proven track record of delivering high-quality Technology solutions to global Telecom and Datacom companies. Backed by a 22-year existence in the communications technology horizon, CoSystems is dedicated to delivering complex systems and building blocks to telecom operators, ISPs, Cable Operators, MSOs, and to the emerging wireless voice and packet infrastructure markets. CoSystems solutions offer high-value applications, optimized costs and minimized risk global customers who benefit in rapid Return on Investments in their deployments. CoSystems addresses the market needs through a network of distributors, VARs, Systems Integrators and service providers across the globe. CoSystems solutions include Signal Conversions products, Access Gateways, Signaling Gateways, Media Gateways, products for Broadband using DSL, Cable and WiFi technology. For more information please contact:

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