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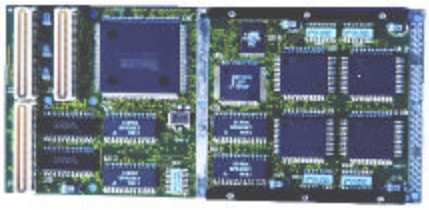
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Find the *Curtiss-Wright / Vista Controls PSC8-200* at our website: *Click HERE*

PSC8 - Serial I/O PMC

8 Channels of Serial I/O: 4 RS-423 & 4 RS-422/485

The VISTA PSC8 (Serial I/O) PMC Module is based on the 85C30 chip and provides 8 serial channels : (4) RS-423 and (4) RS - 422. A DMA Control engine and 8 Kbytes of buffer Memory (dual-ported to the Serial Communication Controllers and the PCI bus) are incorporated to minimize CPU time for Data Communication. Also provided is 32 Kbytes of EEPROM for storage of the BIT routines and board ID.



APPLICATIONS

Navigation Systems
Fire Control Systems
Flight Control Systems
Sight-head Stabilization
Data Collection
Communication
C3I

The Serial I/O PMC Module is designed to comply with IEEE 1386.1, (the industry standard for mezzanine modules). This allows the Serial I/O PMC module to be used with any compliant CPU's which use the standard PMC interface. The Serial I/O PMC Module is thus ideal for use with VISTA's SCORE SERIES PowerPC CPU, or other platform hosting a PMC interface.

The PSC8 PMC Module is available in each of VISTA's Environmental classifications :

Class 1:
Laboratory,
0°C to + 55°C

Class 2:
Rugged Forced Air,
-40°C to + 75°C

Class 3:
Rugged Conduction,
-40°C to + 75°C

Class 4:
Mil Temp Conduction,
-55°C to + 85°C
****Contact Factory****

- **8 Channels of Serial communications:**
  - **4 -- RS-423**
  - **4 -- RS-422/485**
- **8 Kbytes D/P Buffer Memory**
- **32 Kbytes EEPROM**
- **DMA engine to decrease CPU loading (RS-422)**
- **Bit and Byte Protocols supported**
- **Data rates to 38.4 Kbaud/sec over RS-423**
- **Data rates to 4 Mbits/sec over RS-422**
- **Asynchronous formats supported**
- **HDLC and SDLC protocols and CRC generation**
- **User configurable data size, stop bits, parity and baud rate generator**
- **Local loop back and auto echo modes**
- **PMC Interface**
- **Air Cooled & Conduction Cooled versions are available**
- **BIT (Built In Test)**

System Features

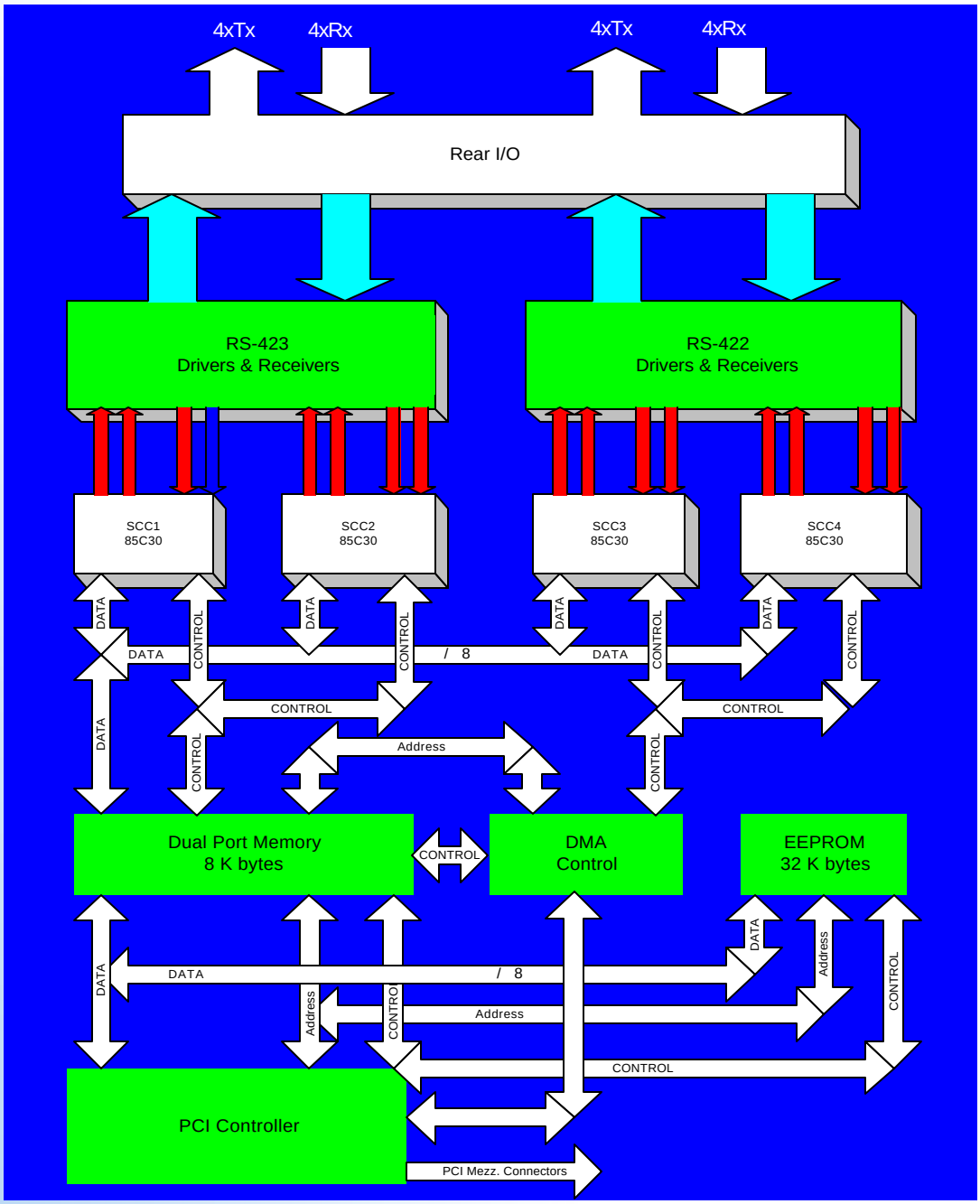
- ***VxWorks Drivers available***
  (call for other OS support)
- ***Conduction Cooled, -40°C to +75°C Operating Temperature (Class 3; see Environmental Classifications)***
- ***0.1 g² / Hz Vibration per Mil-Std-810E, (Class 3)***
- ***40G Shock per Mil-Std-810E, (Class 3)***

VISTA CONTROLS
A Curtiss-Wright Company

27825 Fremont Court
Santa Clarita, CA 91355
(661) 257-4430 phone
(661) 257-4782 fax

PSC8 - Serial I/O PMC

8 Channels of Serial I/O: 4 RS-423 & 4 RS-422/485



Order Option Code	Serial Channels
200	8 Channels

Ordering Information: (call if your configuration is not shown)

PSC8 - CLx-yyy

Order Option Code From 1st Column of Table

Environmental Class
1= laboratory, convection cooled
2= rugged, convection cooled
3= rugged, conduction cooled
4=Mil Temp Conduction - Call Factory
(see environments table in catalog for more detail)

*See Order Option Sheet for more detailed information on options

R021202

27825 Fremont Court, Santa Clarita California 91355, telephone(661) 257-4430, fax (661) 257-4782, Internet = http://www.VISTAcontrols.com

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