

# Embedded board with 4 X RS232 + 4 x 10Bits ADC + 16 x Digital I/O

---

*Source:* <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2005-07/msg00478.html>

---

- *From:* "Samuel Yodul" <[syodul@xxxxxxxxxxxxx](mailto:syodul@xxxxxxxxxxxxx)>
  - *Date:* Thu, 14 Jul 2005 14:21:57 +1000
- 

For a control application I'm looking for an embedded board and SW development environment with the following specs  
4 X RS232 capable of running upto 115200 Bauds  
4 x 10Bits ADC  
16 x general purpose digital I/O  
Weight < 150grams

Main function of the SW application as follows  
Read serial data packet (SDP1) from Serial Port 1 (SP1)  
Read SDP2 from SP2  
Read SDP3 from SP3 (this is input port only)  
Read SDP3 from SP4 (this is input port only)  
Send data SDP1 to SP2  
Send data SDP2, SDP3 and SDP4 to SP1  
Send data from ADC1, ADC2, ADC3,ADC4 to SP1

- \* Serial data packet (SDP1) consist of a header byte + packet ID byte + packet length + data + CRC
- \* Data rates are variable

Any recommendation ?

Samuel

- 
- *Follow-Ups:*
    - ◆ ***Re: Embedded board with 4 X RS232 + 4 x 10Bits ADC + 16 x Digital I/O***  
◇ *From:* Jukka Marin

Embedded board with 4 X RS232 + 4 x 10Bits ADC + 16 x Digital I/O

- Prev by Date: *Re: Rabbit 3400 CPU module*
- Next by Date: *Re: Rabbit 3400 CPU module*
- Previous by thread: *Recommendation for Code Browser for Asm51?*
- Next by thread: *Re: Embedded board with 4 X RS232 + 4 x 10Bits ADC + 16 x Digital I/O*
- Index(es):
  - ◆ *Date*
  - ◆ *Thread*