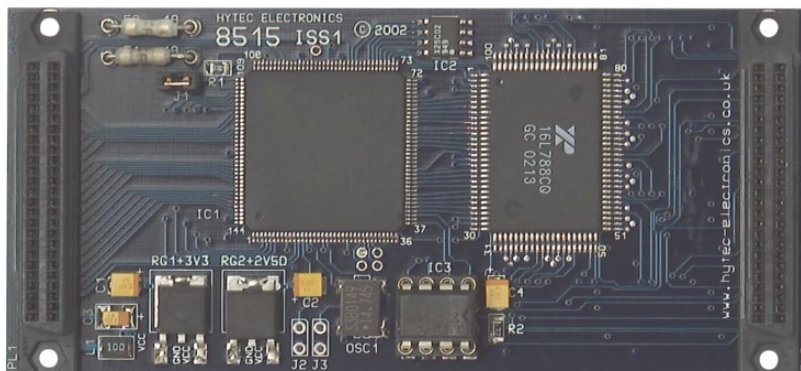


# SI8515                      Octal RS-232 IndustryPack®



## Product Description

The Newwood Solutions IP-SI-8515 is a single-width Industry Pack that provides 8 serial interface lines with the following characteristics:-

- 8 independent RS-232 UART channels
- 64 byte Transmit and Receive FIFOs
- Transmit and Receive FIFO level counters
- Programmable Tx and Rx FIFO Trigger Levels
- Automatic RTS/CTS Flow Control
- Automatic Xon/Xoff Software Flow Control with Status Indication
- Programmable Data Rate with Prescaler
- Up to 6.25 Mbps Serial Data Rate
- Single Interrupt Output for all 8 UARTs
- Global Interrupt Source for all 8 UARTs
- Simultaneous UART channel initialisation

## Product Specifications

Size: Single width Industry Pack 1.8ins x 3.9 ins  
 Operating temp: 0 to 45 deg C ambient  
 Number of channels: 8  
 Max. baud rate: 921.6kbps with internal clock.  
 Data format: Binary/ASCII  
 Input/Output levels: RS-232  
 Internal clock: 14.7456MHz oscillator  
 Clock accuracy: +/-100ppm (0.01%)  
 Power: +5V @ 400mA typical

Fuses: F1 1A – connects +12V to I/O connector  
 F2 1A – connects -12V (not used)  
 Jumpers: J1 Boot jumper allows FPGA to load.  
 J2, J3 not used.