

# PC104 1ms SOE Module (C3835)

1ms Sequence of Event (SOE) digital input time stamping module

The C3835 is a PC104 module for SAGE that allows a unit to capture digital input point changes with a time stamp resolution of 1msec.

The C3835 uses the latest Analog Devices ADSP 2185N processor which gives the C3835 upgraded performance and lower operating current.

Each C3835 1ms SOE board can time tag 256 SOE points by connecting standard Digital Input expansion cards to the module.

Additionally, two C3835's may be connected on the same PC 104 stack giving the Sage RTU the ability to access a total of 512 1ms SOE points.



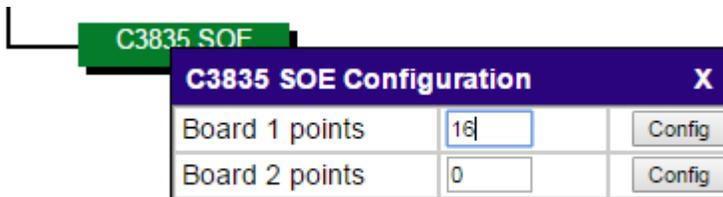
## PC104 1ms Sequence of Events (SOE) card Features:

- PC104 format
- Powered directly from PC104 bus
- Meets SWC requirements
- Uses standard DI XTs (C3432)
- 256 points supported per card
- 2 cards per Baseboard
- 80 MHz 16 bit 80 MIPS ADSP

The C3835 has two board jumpers, W1 and W2. The chart below outlines their function.

Jumper	Default Position	Alternate Position
W1	IRQ7 (No PC104 GPS)	IRQ9 (With PC104 GPS)
W2	Board 1 Points 1-256	Board 2 Points 257 - 512

Configuration Screens (UIF)



C3835 SOE Board 1 Configuration

Point	Name	Debounce Time(ms)	Valid Event(ms)	Dead Time(ms)
-1	COMM STATUS			
1	MSSOE_PNT1	25	5	0
2	MSSOE_PNT2	25	5	0
3	MSSOE_PNT3	25	5	0
4	MSSOE_PNT4	25	5	0
5	MSSOE_PNT5	25	5	0
6	MSSOE_PNT6	25	5	0
7	MSSOE_PNT7	25	5	0
8	MSSOE_PNT8	25	5	0
9	MSSOE_PNT9	25	5	0
10	MSSOE_PNT10	25	5	0
11	MSSOE_PNT11	25	5	0
12	MSSOE_PNT12	25	5	0
13	MSSOE_PNT13	25	5	0
14	MSSOE_PNT14	25	5	0
15	MSSOE_PNT15	25	5	0
16	MSSOE_PNT16	25	5	0

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