

**ADAM-5068**  
**ADAM-5080**  
**ADAM-5090**

**8-channel Relay Output Module**  
**4-channel Counter/Frequency Module**  
**4-port RS-232 Module**



Available  
Soon



### ADAM-5068 8-channel Relay Output Module

- **Channels:** 8, form A
- **Contact rating:**  
AC: 120 V @ 0.5 A;  
DC: 30 V @ 1 A
- **Breakdown voltage:**  
500 V<sub>AC</sub> (50/60 Hz)
- **Relay on time (typical):** 7 msec.
- **Relay off time (typical):** 3 msec.
- **Total switching time:** 10 msec.
- **Insulation resistance:**  
1000 MW minimum at 500 V<sub>DC</sub>
- **Power consumption:** 0.25 W (typical);  
1.8 W(max)

### ADAM-5080 4-channel Counter/ Frequency Module

- **Channels:** 4
- **Maximum count:** 4,294,967,285 (32 bit)
- **Input frequency:**  
0.3 ~ 1000 Hz max. (frequency mode)  
5000 Hz max. (counter mode)
- **Input level:** Isolated or TTL level
- **Minimum pulse width:**  
500µ sec. (Frequency mode)  
100µ sec. (Counter mode)
- **Minimum input current:** 2 mA (Isolated)
- **Isolation input level:**  
Logic level 0: +1 V<sub>max</sub>  
Logic level 1: +3.5 V to 30 V
- **TTL input level:**  
Logic level 0: 0 V to 0.8 V  
Logic level 1: 2.3 V to 5 V
- **Isolation voltage:** 1000 V<sub>RMS</sub>
- **Mode:** Counter (Up/Down, Bi-direction)  
Frequency
- **Counter Aux. function:** Initial preset,  
Hi-Low alarm setting, alarm digital output  
Mapping, Overflag
- **Programmable digital noise filter:**  
8 ~ 65000 Msec
- **Power consumption:** 1.3 W (Typical);  
1.5 W (max)

### ADAM-5090 4-port RS-232 Module

- **Ports:** 4 serial ports
- **Data bits:** 5, 6, 7, 8
- **Stop bits:** 1, 1.5, 2
- **Parity:** None, even, odd
- **UARTs:** 1 x 16C954 (128-byte FIFO)
- **Speed:** 50 ~ 115.2 Kbps
- **Data signals:** T x D, R x D, RTS, CTS,  
DTR, DSR, DCD, RI, GND
- **Connector:** RJ-45
- **LED display:** TX, RX
- **Power consumption:** 0.6 W (max)
- **Supports ADAM-5510, ADAM-5511 only**