ADAM-5080
4-ch Counter/Frequency Module

ADAM-5081
4/8-ch High Speed Counter/Frequency Module

ADAM-5080

RoHS COMPLIANT 2002/95/EC CE FCC FM APPROVED

Specifications

General

- **Certification** — CE, FM
- **Connectors** — 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- **Enclosure** — ABS+PC
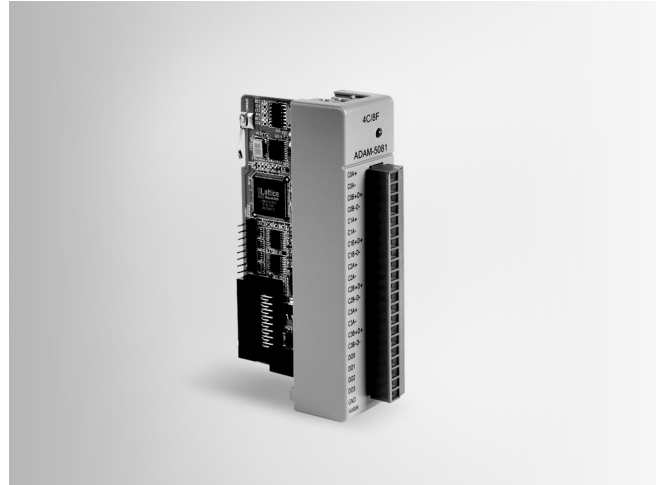- **Power Consumption** — 1.5 W (max.)

Counter/Frequency

- **Counter Aux. Function** — Initial preset, hi-low alarm setting, alarm digital output mapping, overflag
- **Channels** — 4
- **Input Frequency** — 0.3 ~ 1,000 Hz max. (frequency mode)
  5,000 Hz max. (counter mode) TTL only
- **Input Level** — Isolated or TTL level
- **Isolation Input Level** — Logic level 0: 1 V_{DC} max
  Logic level 1: 3.5 ~ 30 V_{DC}
- **Isolation Voltage** — 1,000 V_{RMS}
- **Maximum Count** — 4,294,967,295 (32 bits)
- **Minimum Input Current** — 2 mA (isolated)
- **Minimum Pulse Width** — 500 µs (frequency mode)
  100 µs (counter mode)
- **Modes** — Counter (up/down, bi-direction), Frequency
- **Programmable Digital Filter** — 1 ~ 65,000 µsec (Noise Filter Function)
- **TTL Input Level** — Logic level 0: 0 ~ 0.8 V_{DC}
  Logic level 1: 2.3 ~ 5 V_{DC}

Note: Does not support ADAM-5550 & 5560 Series

Ordering Information

- **ADAM-5080** — 4-ch Counter/Frequency Module

ADAM-5081

RoHS COMPLIANT 2002/95/EC CE FCC

Specifications

General

- **Certification** — CE
- **Connectors** — 1 x plug-in screw terminal (# 14 ~ 18 AWG)
- **Power Consumption** — 1.1 W (Max.)
- **Enclosure** — ABS+PC

Counter/Frequency

- **Channels** — 4/8
- **Maximum Count** — 4,294,967,295 (32 bit)
- **Input Frequency** — 5 Hz ~ 1 MHz max. (frequency mode)
  1 MHz max. (counter mode)
- **Input Level** — Isolated or TTL level
- **Minimum Pulse Width** — 1µsec. (frequency mode)
  1µsec. (counter mode)
- **Minimum Input Current** — 2 mA (isolated)
- **Isolation Input Level** — Logic level 0: 3 V_{DC} max,
  Logic level 1: 10 ~ 30 V_{DC}
- **TTL Input Level** — Logic level 0: 0 ~ 0.8 V_{DC},
  Logic level 1: 2.3 ~ 5 V_{DC}
- **Isolation voltage** — 2,500 V_{RMS}
- **Modes** — Counter (up/down, bi-direction, up, A/B Phase), Frequency
- **Counter Aux. Function** — Initial preset, hi-low alarm setting, alarm digital output mapping, overflag
- **Programmable Digital Filter** — 1 ~ 65,000 µsec (Noise Filter Function)

Note: Does not support ADAM-5510 KW series

Ordering Information

- **ADAM-5081** — 4/8-ch High Speed Counter/Frequency Module