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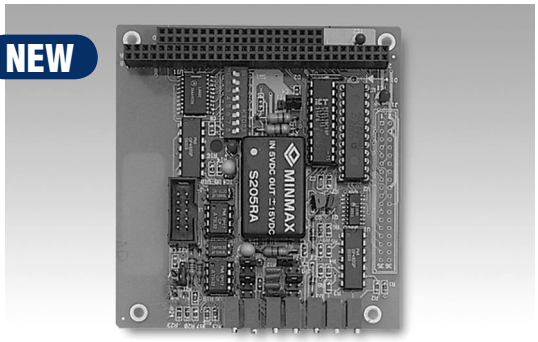
Find the *Advantech PCM-3718* at our website: ***Click HERE***

PCM-3712
PCM-3718H/HG

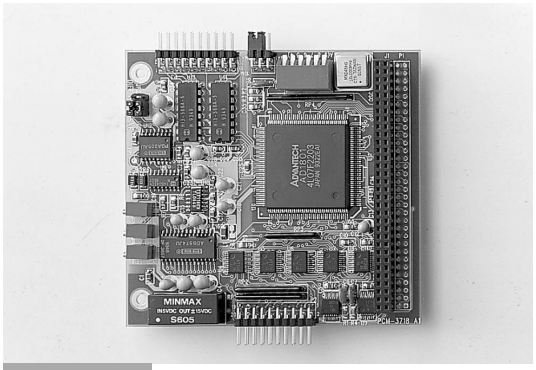
2-ch. Analog Output Module

12-bit Multifunction Module with Programmable Gain

NEW



PCM-3712



PCM-3718H/HG

Features

- 2 channels analog output module
- 0 to 5 V, 0 to 10 V, -2.5 V to +2.5 V, -5 V to +5 V, -10 V to +10 V,or 4 to 20 mA output range
- 12-bit resolution

Specifications

- **Output of Channels** 2
- **Voltage Range Unipolar** 0 to 5 V, 0 to 10 V
- **Bipolar** ± 2.5 V, ±5 V, ±10 V
- **Current Range** 4 ~ 20 mA
- **Output Current Range** ±5 mA
- **Impedance** 0.1 max./0.02 typ.
- **Resolution** 12-bit
- **Nonlinearity** ±1 LSB
- **Differential Nonlinearity** ±1/2 LSB
- **System Accuracy** ±0.025% FSR (Voltage)
  ±0.05% FSR (Current)
- **Dynamic Performance** 5 V step: 16 µs
  0.3V/µs typ. (Voltage)
  1.2mA/µs (Current)
- **Settling Time to 1/2 LSB** 10 V step: 33 µs
- **Slew Rate** 0.3 V/µs typ. (Voltage)
  1.2 mA/µs (Current)
- **D/A Converter Single Channel** 33 KHz bit resolution

Ordering Information

- **PCM-3712** 2-channel analog output module
- **ADAM-3909** DB-9 cable wiring for DIN-rail mounting

Features

- 16 single-ended or 8 differential analog inputs
- 12-bit A/D converter, up to 100 KHz sampling rate with DMA transfer
- Two 8-bit digital input/output TTL level channels

Specifications

Analog Input

- **Channels** 16 single-ended or 8 differential inputs
- **Resolution** 12 bits
- **Input Range** Bipolar: ±10, ±5, ±2.5, ±1.25, ±0.625
  Unipolar (PCM-3718H): 0 ~ 10, 0 ~ 5, 0 ~ 2.5, 0 ~ 1.25
- **Input Range** Bipolar: ±10, ±5, ±1, ±0.5, ±0.1, ±0.05, ±0.01, ±0.005
  Unipolar (PCM-3718HG): 0 ~ 10, 0 ~ 1, 0 ~, 0 ~ 0.01

Digital input/output

- **Channels** two 8-bit TTL-level Digital I/O channels
- **Input Voltage** Logic 0: 0.8 V max.
  Logic 1: 2.0 V min.
- **Output Voltage** Logic 0: 0.33 V max. @ 6mA (sink)
  Logic 1: 3.84 V min. @ 6mA (source)
- **Power Requirements** +5 V, ±5 % tolereance on power supply
- **Size/Weight** 96 x 90 mm (3.8" x 3.5"), 0.084 kg (0.185 lb)
- **Temperature** Operating: 0 ~ 60° C (32 ~ 140° F)
  Storage : -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

Ordering Information

- **PCM-3718H/3718HG** 12-bit multifunction module with programmable gain (cable not included)
- **ADAM-3920** 20-pin flat cable wiring terminal for DIN-Rail mounting
- **PCLD-780** Screw-terminal board for 20-pin flat cable
- **PCL-10120-1** 20-pin flat cable, 1 m
- **PCL-10120-2** 20-pin flat cable, 2 m

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