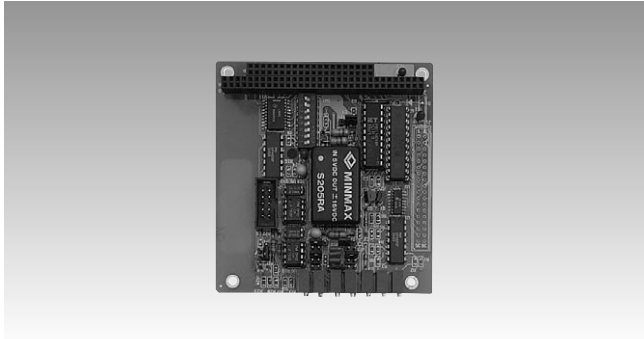


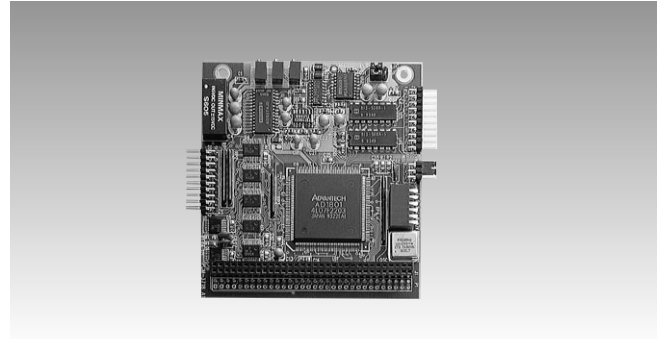
PCM-3712

PCM-3718H/HG

2-channel Analog Output Module
12-bit Multifunction Module with Programmable Gain



PCM-3712



PCM-3718H/HG



Features

- 2-channel 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

General

- **Output 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** $\pm 1/2$ LSB
- **System Accuracy** $\pm 0.025\%$ FSR (Voltage)
 $\pm 0.05\%$ FSR (Current)
- **Dynamic Performance** 10 V step: 33 μ s
- **Settling Time** 5 V step: 16 μ s to 1/2 LSB 0.3V/ μ s typ. (Voltage)
- **Slew Rate** 1.2 mA/ μ s (Current)
- **D/A converter** 33 KHz bit resolution
- **Single Channel**

Packing List

- 1 x Startup manual
- 1 x PCM-3712

Ordering Information

Standard

- **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

General

- **Input Channels** 16 single-ended or 8 differential inputs
- **Resolution** 12 bits
- **Input Range (PCM-3718H)** Bipolar: ± 10 , ± 5 , ± 2.5 , ± 1.25 , ± 0.625
Unipolar: 0 ~ 10, 0 ~ 5, 0 ~ 2.5, 0 ~ 1.25
- **Input Range (PCM-3718HG)** Bipolar: ± 10 , ± 5 , ± 1 , ± 0.5 , ± 0.1 , ± 0.05 , ± 0.01 , ± 0.005
Unipolar: 0 ~ 10, 0 ~ 1, 0 ~ 0.1, 0 ~ 0.01
- **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. @ 6 mA (sink)
Logic 1: 3.84 V min. @ 6 mA (source)

Mechanical and Environmental

- **Dimension (L x W)** 96 mm x 90 mm (3.8" x 3.5")
- **Weight** 0.084 kg (0.185 lb)
- **Operating Temperature** Operating: 0 ~ 60° C (32 ~ 140° F)
Storage: -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing
- **Power Supply Voltage** +5 V, $\pm 5\%$ tolerance on power supply

Packing List

- 1 x Startup manual
- 1 x PCM-3718H/HG

Ordering Information

Standard

- **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-10120-1/2** 20-pin flat cable, 1/2 m Specifications