



# PCM-3718H

*12-bit DAS Module with Programmable Gain*



## PCM-3718H

### Features

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

### Specifications

- Analog Input
  - Channels: 16 single-ended or 8 differential inputs
  - Resolution: 12 bits
  - Input range:
    - Bipolar:  $\pm 10$ ,  $\pm 5$ ,  $\pm 2.5$ ,  $\pm 1.25$ ,  $\pm 0.625$
    - Unipolar: 0 - 10, 0 - 5, 0 - 2.5, 0 - 1.25
- Digital Input/Output
  - Channels: Two 8-bit TTL-Level Digital I/O channels
  - Input voltage: Logic 0: 0.8V max  
Logic 1: 2.0V min
  - Output voltage: Logic 0: 0.33V max. @ 6mA (sink)  
Logic 1: 3.84V min. @ 6mA (source)

# PCM-3724

*48-channel DIO Module*

## PCM-3724

- 48 digital I/O lines
- Channels simulate 8255 PPI mode 0
- Buffered circuits for higher driving capacity than the 8255
- Bit 0 of port C can generate an interrupt to IRQ 2 to 7
- Interrupt triggering rising/falling edge
- Output status readback
- Pin-compatible with Opto-22 I/O module racks
- Transfer rate: 300 Kb/sec typical, 400 Kb/sec. maximum
- Digital output: Logic level 0: 0.5V max @ 24mA sink
- Digital input: Logic level 0: 0.8V max  
Logic level 1: 2.0V min
- Power requirement: +5 V @ 500mA (typical)  
+5 V @ 800mA (max)

