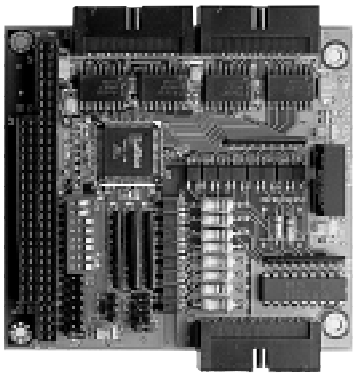
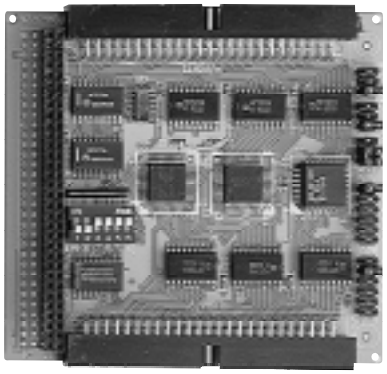
32-ch Isolated Digital I/O Module
48-ch Digital I/O Module
12-bit DAS Module with Programmable Gain





CE

❑ PCM-3730
32-ch Isolated Digital I/O Module

Features

- Opto-isolated 8 DI and 8 DO channels
- TTL-level 16 DI and 16 DO channels
- High output driving capacity
- Interrupt capacity

Specifications

Isolated Digital I/O

- **Channels:** Opto-Isolated 8DI and 8DO channels
- **Input resistance:** 2 KΩ @ 0.5 W
- **Output voltage:** Open collector 5 to 40 V_{DC}
- **Output sink current:** 200 mA max.
- **Isolation voltage:** 2,500 V_{DC}
- **Throughput:** 10 KHz max.

TTL-level Digital I/O

- **Channels:** TTL-level 16 DI and 16 DO channels
- **Input voltage:** Low: 0.8 V max.
  High: 2.0 V min
- **Output voltage:** Low: Sink 0.5 V @ 8 mA max.
  High: Source 2.4 V @ -0.4 mA min.
- **Input load:** Low: 0.5 V @ 0.4 mA max.
  High: 2.7 V @ 0.05 mA max.
- **Throughput:** 30KHz typical

Ordering Information

- ❑ **PCM-3730:** PC/104 16-channel isolated digital I/O module
- ❑ **ADAM-3920:** 20-pin flat cable wiring terminal for DIN-Rail mounting
- ❑ **PCLD-780:** Screw-terminal board for 20-pin flat cable
- ❑ **PCLD-785/885:** 16-ch relay/power relay output board
- ❑ **PCLD-782:** 16-ch Opto-isolated digital input board

❑ PCM-3724
48-ch Digital I/O Module

Features

- 48 digital I/O channels.
- Channels simulate 8255 PPI mode 0.
- Interrupt triggering, rising/falling edge.

Specifications

Digital I/O

- **Channels:** 48 digital I/O channels
- **Throughput:** 300 KB typical; 500 KB max.
- **Input voltage:** Logic 0: 0.8 V max.
  Logic 1: 2.0 V min.
- **Output voltage:**
  Logic 0: 0.4 V max. @ 24 mA (sink)
  Logic 1: 2.4 V min. @ 15 mA (source)

Ordering Information

- ❑ **PCM-3724**
  PC/104 48-channel digital I/O module
- ❑ **ADAM-3950**
  50-pin flat cable wiring terminal for DIN-Rail mounting
- ❑ **PCLD-785B**
  24-channel relay output board
- ❑ **PCLD-782B**
  24-channel opto-isolated digital input board

❑ PCM-3718H/3718HG
12-bit DAS Module with Programmable Gain

Features

- 16 single-ended or 8 differential analog inputs
- 12-bit A/D converter, up to 100 Kg specification Hz 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 (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 ~ 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. @ 6 mA (sink)
  Logic 1: 3.84 V min. @ 6 mA (source)

Ordering Information

- ❑ **PCM-3718H/3718HG**
  12-bit DAS module with programmable gain/ programmable high gain
- ❑ **ADAM-3920**
  20-pinflat cable wiring terminal for DIN-Rail mounting
- ❑ **PCLD-780**
  Screw-Terminal board for 20-pin flat cable