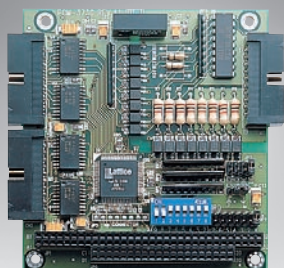


# PCM-3730

## 32-ch Isolated Digital I/O Module

# PCM-3712

## 2-ch Analog Output Module



PCM-3730



### Features

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

### Specifications

Isolated Digital I/O	
Channels	Opto-Isolated 8 DI and 8 DO channels
Input Resistance	2 kohm @ 0.5 V
Output Voltage	Open collector 5 to 40 V <sub>DC</sub>
Output Sink Current	200 mA max.
Isolation Voltage	2,500 VDC
Throughput	1 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	30 KHz typical

### Ordering Information

P/N	Description
PCM-3730	16-channel Isolated Digital I/O Module (cable included)
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
PCL-10120-1/2	20-pin flat cable, 1/2 m



PCM-3712



### 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	0 to 5 V, 0 to 10 V
Unipolar	
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	10 V step: 33 μs
Settling Time	5 V step: 16 μs to 1/2 LSB 0.3V/μs typ. (Voltage)
Slew Rate	1.2 mA/μs (Current)
D/A Converter	33 KHz bit resolution

### Packing List

P/N	Description	Quantity
-	Startup manual	x 1
PCM-3712	2-ch Analog Output Module	x 1

### Ordering Information

P/N	Description
PCM-3712	2-channel Analog Output module
ADAM-3909	DB-9 cable wiring for DIN-rail mounting