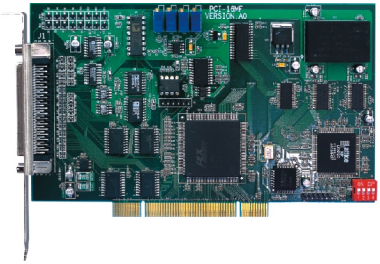
PCI-16MF

It has 16-channel single-ended 12-bit analog input channel, up to 100khz conversion rate; 2-channel 12-bit analog output; 16-channel digital input,16-channel digital output channel; 1-channel programmable timer/counter



Specifications and Features

Analog (AD) Input

Channel: 16-channel single-ended
Resolution: 12-bit
FIFO: 2K x 16-bit
Converting Time: 10μs (max. 100KHz sampling rate)
Voltage Input Range: ±10V, ±5V, ±2.5V, ±1.25V, ±0.625V
Trigger Mode: Software trigger, programmable timing trigger and external trigger
DC Features:
Accuracy (INL): ±1LSB
Gain Error: 0.05%FSR (gain=1)
AC Features:
Signal to Noise Ratio (SNR): 68dB
Effective Number of Bits (ENOB): 11-bit

Programmable Timer/Counter

Channel: 1
Resolution: 16-bit
Internal Time Base: 10MHz
Max. Working Frequency: 10MHz

Analog (DA) Output

Analog Output Channel: 2-channel
Resolution: 12-bit
Conversion Rate: 11V/μs
Voltage Output Range: 0~5V or 0~10V (internal reference voltage -5V, -10V); 0~+XV or X~0V (external reference voltage -10V≤x≤10V)
Accuracy (INL): 1LSB
Driving Capacity: 3mA
Output Impedance: ≤0.81Ω
Reference Voltage: -5V or -10V (internal); -10V~10V (external)

TTL Digital Input

Input Channel: 16-channel

TTL Digital Output

Output Channel: 16-channel

General Specifications

4-bit Board ID setup function
Compatible with PCI2.1 specification
Typical +5V@550mA; max. +5V@600mA
External Dimensions (L x H): 175mm x 106mm (6.9" x 4.2")
Operating Temperature: 0°C~60°C
Storage Temperature: -20°C~70°C
Relative Humidity: 5%~95% RH, (IEC 68-2-3), non-condensing

Ordering Information

Part Number	Model Number	Description
0090-001840	PCI-16MF	16-channel A/D input, 2-channel D/A output, 16-channel digital input, 16-channel digital output, 1-channel programmable timer/counter
0060-000590	PCLD-8710	SCSI-68 connector industrial terminal board, onboard CJC (cold-junction compensation) circuit
0080-001020	PCL-10168-2M	SCSI-68 converter cable, matching PCLD-8710