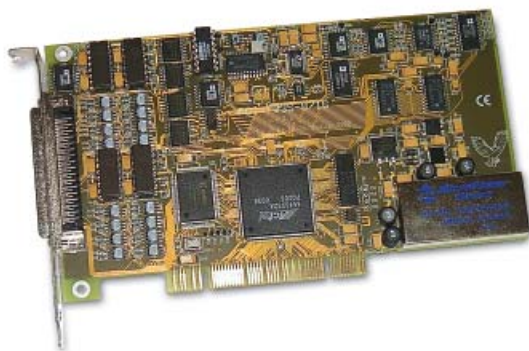


Extra Low Noise | High Accuracy



DESCRIPTION

Simultaneous sampling on eight or sixteen inputs has been added to the PCI-703, to create the **PCI-703S**. This important function is essential for many applications where it is required that readings are taken at exactly the same time without introducing any time delay errors.

Included with the PCI-703S is our free data acquisition package, WaveView for Windows, which allows the user to start sampling as soon as the board is plugged in.

FEATURES

- 8/16 Channel Simultaneous Sample and Hold Analog Inputs
- 14-bit Resolution
- 2x 14-bit Analog Output Channels
- Fully dynamic programmable (gain/range/channel) analog input system
- 3x 24bit Counters
- Programmable External Triggers
- Windows98/ME/2000/XP OS Support (Linux & NT on request)
- WaveView for Windows Data Acquisition & Logging Software
- Labview, Testpoint and VEE Pro Drivers
- PCI-bus revision 2.2 compliant

Specifications

ANALOG INPUT	
Channels:	8 or 16 Differential (14-bit Resolution)
Range:	± 2.5V
Gain:	0.5; 1.0; 2.5; 5.0; 10; 25; 50; 100
FIFO Depth:	4096
Max Sampling Rate:	400 KS/s
Output Low Voltage Max:	0.45V
Relative Accuracy:	±1 LSB
ANALOG OUTPUT	
Channels:	2 (14-bit Resolution)
Range:	± 10V
Max Transfer Rate:	400kHz
FIFO Depth:	4096
Relative Accuracy:	± 1 LSB
DIGITAL I/O and Multifunction I/O	
Number of Lines: 8 Digital & 10 Multifunction (TTL) - Interrupt Capability	
COUNTER TIMERS	
Channels:	3 (1 for A/D, 2 for user or for D/A)
Resolution:	24-bit
Clock Source:	20MHz, 100kHz or external
OTHER	
Maximum Bandwidth:	450 KS/s
Power Requirement:	3.3V or 5V (±5%) 1.3A Typical
Dimensions:	186 mm x 98.5 mm

SCSI DSub 68M

AIGND	35	1	AIGND
ACH15+	36	2	ACH14-
ACH15+	37	3	ACH14+
ACH13+	38	4	ACH12-
ACH13+	39	5	ACH12+
ACH11+	40	6	ACH10-
ACH11+	41	7	ACH10+
ACH9+	42	8	ACH8-
ACH9+	43	9	ACH8+
AIGND	44	10	AIGND
ACH7+	45	11	ACH6-
ACH7+	46	12	ACH6+
ACH5+	47	13	ACH4-
ACH5+	48	14	ACH4+
ACH3+	49	15	ACH2-
ACH3+	50	16	ACH2+
ACH1+	51	17	ACH0-
ACH1+	52	18	ACH0+
DAC1	53	19	DAC0
AOGND	54	20	AOGND
DGND	55	21	DGND
NC	56	22	FREQ_OUT
GPCTR1	57	23	GPCTR0
PF19	58	24	PF18
PF17/STARTSCAN	59	25	PF16
PF15	60	26	PF14
PF13	61	27	PF12/CONVERT
PF11	62	28	PF10
+5V	63	29	+5V
DGND	64	30	DGND
DIO7	65	31	DIO6
DIO5	66	32	DIO4
DIO3	67	33	DIO2
DIO1	68	34	DIO0

Ordering Information

Supplied with EDR Enhanced Software

PCI-703S-8	8 Channel Simultaneous Sample & Hold
PCI-703S-8A	8 Channel Simultaneous Sample & Hold with 2x D/A
PCI-703S-16	16 Channel Simultaneous Sample & Hold
PCI-703S-16A	16 Channel Simultaneous Sample & Hold with 2x D/A

Optional Accessories: PCI-703-16/16A

OPTION 1:

ADPT-6868SCD SCSI-II 68(F) Cent & SCSI-II 68(F) DSub to 69way Screw T. Adpt
SCSI-D68M/F-S 68 SCSI-II DSub (M) to (F) Screened Cable

OPTION 2:

ADPT-3740 DB37 (M) & IDC40 (M) to 41way Screw Terminal Adaptor
Y-Cable4 68 SCSI-II DSub (F) to (2x) DB37 (F) Screened Cable

Optional Accessories Diagram

