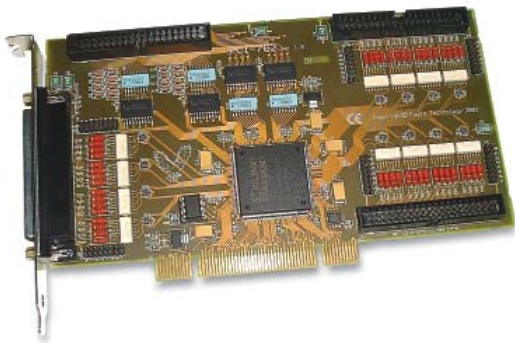


Extra Low Noise | High Accuracy



DESCRIPTION

The **PCI-762** is an optically isolated input board for the PCI-bus. It features 16, 32 or 48 inputs, as well as 16 normal digital input and output lines. The digital outputs have a 20mA driving capability and can be used to switch on LEDs.

FEATURES

- 16/32/48 Opto-Isolated Inputs
- 2500V (max.) Isolation Voltage
- Up to 24VDC voltage protection for isolation channel
- Inputs can accept DC & AC
- Frequency response up to 10kHz
- 16 General Purpose Digital Inputs (TTL)
- 16 General Purpose Digital Outputs (TTL)
- Windows98/ME/2000/XP OS Support (NT on request)
- Linux OS Support
- WaveView for Windows Data Acquisition & Logging Software
- Labview, Testpoint and VEE Pro Drivers
- PCI-bus revision 2.2 compliant

Ordering Information

Supplied with EDR Enhanced Software and Internal Cable for Digital I/O and Opto-Isolators (17-48) (converts from IDC40 to DB37)

PCI-762-16	16 Channel Optically Isolated Inputs & 16 Digital I/O Lines
PCI-762-32	32 Channel Optically Isolated Inputs & 16 Digital I/O Lines
PCI-762-48	48 Channel Optically Isolated Inputs & 16 Digital I/O Lines

Specifications

Optically Isolated Input Characteristics

Optically Isolated Inputs:	16, 32 or 48 (depending on model number)
Interrupt Capability:	All 16 / 32 / 48 inputs can be configured as interrupt source
Frequency Response:	Up to 10 kHz (Computer and software dependent)
Logic Levels:	0V to 3V: Logic 0 3.1V to 24V: Logic 1
Isolation Voltage:	2500Vrms
Input Current:	Continuous: 30mA Peak: 1A (Pulse 300ms, 2% Cycle)
Max forward current [LED]:	50mA

Digital I/O Characteristics

No of TTL I/O lines:	16 Digital Inputs, 16 Digital Outputs
Interrupt Capability:	All 16 inputs can be configured as interrupt source
Digital Logic Levels:	High: 2.0V (min), 5.3V max Low: 0.0V (min), 0.8V (max)
Current Output:	20mA (open collector outputs)
8255 PPI Support:	Mode 0
Frequency Response:	20 MHz

External Interface

Connector:	DB37 Male (16x Opto Inputs) IDC40 #1 (DIO) IDC40 #2 (16x Opto Inputs) IDC40 #3 (16x Opto Inputs)
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Environmental / Physical

Operating Temp:	0°C to 70°C
Board Dimensions:	182 mm x 99 mm

Power Requirements

+5V:	300mA typ
+5V:	200mA (external loads)
+12V:	200mA (external loads)



Supplied with Internal Cable for Digital I/O (IDC40 to DB37)

Optional Accessories

ADPT-3740	DB37 (M) & IDC40 (M) to 41way Screw Terminal Adaptor
DB37M/F	DB37 (M) to DB37 (F) Screened Cable
IDC40	40way Ribbon Cable

DB-37M (Int)

DH1	20	1	DH0
DH3	21	2	DH2
DH5	22	3	DH4
DH7	23	4	DH6
DH9	24	5	DH8
DH11	25	6	DH10
DH13	26	7	DH12
DH15	27	8	DH14
DH17	28	9	DH16
DH19	29	10	DH18
DH21	30	11	DH20
DH23	31	12	DH22
DH25	32	13	DH24
DH27	33	14	DH26
DH29	34	15	DH28
DH31	35	16	DH30
DH33	36	17	DH32
DH35	37	18	DH34
DH37	38	19	DH36
DH39	39	20	DH38
DH41	40	21	DH40
DH43	41	22	DH42
DH45	42	23	DH44
DH47	43	24	DH46
DH49	44	25	DH48
DH51	45	26	DH50
DH53	46	27	DH52
DH55	47	28	DH54
DH57	48	29	DH56
DH59	49	30	DH58
DH61	50	31	DH60
DH63	51	32	DH62
DH65	52	33	DH64
DH67	53	34	DH66
DH69	54	35	DH68
DH71	55	36	DH70
DH73	56	37	DH72
DH75	57	38	DH74
DH77	58	39	DH76
DH79	59	40	DH78
DH81	60	41	DH80
DH83	61	42	DH82
DH85	62	43	DH84
DH87	63	44	DH86
DH89	64	45	DH88
DH91	65	46	DH90
DH93	66	47	DH92
DH95	67	48	DH94
DH97	68	49	DH96
DH99	69	50	DH98
DH101	70	51	DH100
DH103	71	52	DH102
DH105	72	53	DH104
DH107	73	54	DH106
DH109	74	55	DH108
DH111	75	56	DH110
DH113	76	57	DH112
DH115	77	58	DH114
DH117	78	59	DH116
DH119	79	60	DH118
DH121	80	61	DH120
DH123	81	62	DH122
DH125	82	63	DH124
DH127	83	64	DH126
DH129	84	65	DH128
DH131	85	66	DH130
DH133	86	67	DH132
DH135	87	68	DH134
DH137	88	69	DH136
DH139	89	70	DH138
DH141	90	71	DH140
DH143	91	72	DH142
DH145	92	73	DH144
DH147	93	74	DH146
DH149	94	75	DH148
DH151	95	76	DH150
DH153	96	77	DH152
DH155	97	78	DH154
DH157	98	79	DH156
DH159	99	80	DH158
DH161	100	81	DH160
DH163	101	82	DH162
DH165	102	83	DH164
DH167	103	84	DH166
DH169	104	85	DH168
DH171	105	86	DH170
DH173	106	87	DH172
DH175	107	88	DH174
DH177	108	89	DH176
DH179	109	90	DH178
DH181	110	91	DH180
DH183	111	92	DH182
DH185	112	93	DH184
DH187	113	94	DH186
DH189	114	95	DH188
DH191	115	96	DH190
DH193	116	97	DH192
DH195	117	98	DH194
DH197	118	99	DH196
DH199	119	100	DH198
DH201	120	101	DH200
DH203	121	102	DH202
DH205	122	103	DH204
DH207	123	104	DH206
DH209	124	105	DH208
DH211	125	106	DH210
DH213	126	107	DH212
DH215	127	108	DH214
DH217	128	109	DH216
DH219	129	110	DH218
DH221	130	111	DH220
DH223	131	112	DH222
DH225	132	113	DH224
DH227	133	114	DH226
DH229	134	115	DH228
DH231	135	116	DH230
DH233	136	117	DH232
DH235	137	118	DH234
DH237	138	119	DH236
DH239	139	120	DH238
DH241	140	121	DH240
DH243	141	122	DH242
DH245	142	123	DH244
DH247	143	124	DH246
DH249	144	125	DH248
DH251	145	126	DH250
DH253	146	127	DH252
DH255	147	128	DH254
DH257	148	129	DH256
DH259	149	130	DH258
DH261	150	131	DH260
DH263	151	132	DH262
DH265	152	133	DH264
DH267	153	134	DH266
DH269	154	135	DH268
DH271	155	136	DH270
DH273	156	137	DH272
DH275	157	138	DH274
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DH301	170	151	DH300
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DH365	202	183	DH364
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DH373	206	187	DH372
DH375	207	188	DH374
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DH387	213	194	DH386
DH389	214	195	DH388
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DH401	220	201	DH400
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DH449	244	225	DH448
DH451	245	226	DH450
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DH459	249	230	DH458
DH461	250	231	DH460
DH463	251	232	DH462
DH465	252	233	DH464
DH467	253	234	DH466
DH469	254	235	DH468
DH471	255	236	DH470
DH473	256	237	DH472
DH475	257	238	DH474
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DH489	264	245	DH488
DH491	265	246	DH490
DH493	266	247	DH492
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DH511	275	256	DH510
DH513	276	257	DH512
DH515	277	258	DH514
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DH519	279	260	DH518
DH521	280	261	DH520
DH523	281	262	DH522
DH525	282	263	DH524
DH527	283	264	DH