



## MESA ELECTRONICS PRICE LIST 3/1/2010

### PC/104 CARDS:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
4A23	20 bit delta-sigma isolated input A-D	257	206	184	169
4A24-2	High speed 16 bit A-D 200KHz	257	206	184	169
4A24-5	High speed 16 bit A-D 500KHz	314	255	233	215
4C28-R4M	40 MHZ 386SX CPU 4M RAM	307	248	226	208
4C28-R8M	40 MHZ 386SX CPU 8M RAM	326	267	246	228
4C28-F32M	4C28 32M IDE flash disk option	35	35	35	35
4C28-ETHER	4C28 Ethernet option	57	46	42	39
4C28-ROM-DOS	Datalight ROM-DOS for 4C28	20	20	20	20
4C28-A-D	4C28 12 bit A-D option	20	20	20	20
4C61A-R32M	32M 133 MHz 5X86 CPU + Ethernet +VGA + IDE flash	382	306	278	256
4C61A-R64M	64M 133 MHz 5X86 CPU + Ethernet +VGA + IDE flash	411	329	299	275
4C61A-F32M	32M IDE Flash disk option for 4C61A	35	35	35	35
4C61A-F64M	64M IDE Flash disk option for 4C61A	45	45	45	45
4I20	24 output 48V/350 mA I/O	149	119	106	98
4I22	Timer - I/O - 10 Mhz	158	126	113	104
4I22-25	Timer - I/O - 25 MHz	175	140	125	112
4I23A	Quad serial (4X RS-232)	134	108	98	90
4I23B	Quad serial (2X RS-232+ 2X RS-422)	134	108	98	90
4I23C	Quad serial (4X RS-422)	134	108	98	90
4I24	96 bit digital I/O (2X 50 pin)	108	87	79	72
4I24H	96 bit digital I/O (2X 50 pin) 24 mA	193	155	141	129
4I24I	96 bit digital I/O (ISO pinout)	108	87	79	72
4I24M	72 bit digital I/O (Module rack pinout)	108	87	79	72
4I26	Floppy+IDE+2S+P	149	119	106	98
4I27	2 axis motor controller (PWM)	291	232	208	191
4I28	4 axis motor controller (PWM)	561	443	400	369
7I25	Dual channel 125W H bridge for 4I27/4I28/4I34	149	138	129	118
7I27	Dual channel 400W H bridge for 4I27/4I28/4I34	275	220	200	184
4I27A	2 axis motor controller (Analog-out)	385	308	275	253
4I29	Ethernet Interface BNC/10BaseT	191	153	139	128
4I29E	Ethernet Interface Ext BNC/10BaseT	203	163	148	136
4I29T	Ethernet Interface 10BaseT only	149	119	109	100
4I29MAU	4I29 panel mnt BNC adptr (included w/ 4I29E)	30	30	30	30
4I29TAU	4I29 panel mnt 10BaseT adapter	20	20	20	20
4I30	Quad Quadrature interface	199	159	142	131
4I32A	Quad advanced serial (4X RS-232)	201	161	146	134
4I32B	Quad advanced serial (2X RS-232 + 2X RS-422/485)	201	161	146	134
4I32C	Quad advanced serial (4X RS-422/485)	201	161	146	134
4I34-1	Anything I/O 64 bit 100k gate	161	129	117	108
4I34-2	Anything I/O 64 bit 200k gate	184	147	134	123
4I34M-1	Anything I/O 48 bit I/O module pinout 100k gate	161	129	117	108
4I34M-2	Anything I/O 48 bit I/O module pinout 200k gate	184	147	134	123
4I36	Octal Quadrature interface - 50K FPGA	199	159	142	131
4I36-1	Octal Quadrature interface - 100K FPGA	229	186	166	153
4I38-1	Anything I/O 48 bit I/O module pinout 1M gate	275	220	200	184
4I38-1.5	Anything I/O 48 bit I/O module pinout 1.5M gate	326	261	237	219
4I39	Anything I/O 8 channel isolated RS-422 + 24 GPIO	299	239	218	200
ISIO-R	Isolated I/O - relay outputs	151	119	107	99
ISIO-T	Isolated I/O - transistor outputs	120	95	86	79
ISIO-RM	ISIO removeable terminal strip option	20	20	20	20



## MESA ELECTRONICS PRICE LIST 3/1/2010

### PC/104-PLUS CARDS:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
4C62-R32M	PC104-PLUS 133 MHz 5X86 CPU - 32M RAM - Ethernet - VGA	382	306	278	256
4C62-R64M	PC104-PLUS 133 MHz 5X86 CPU - 64M RAM - Ethernet - VGA	411	329	299	275
4C62-F32M	32M IDE Flash disk option for 4C62	35	35	35	35
4C62-F64M	64M IDE Flash disk option for 4C62	45	45	45	45
4I61	PC104-PLUS 10/100 BaseT Ethernet	116	93	85	78
4I63A	PC104-PLUS advanced serial (4X RS-232)	174	139	126	116
4I63B	PC104-PLUS advanced serial (2X RS-232 + 2X RS-422/485)	174	139	126	116
4I63C	PC104-PLUS advanced serial (4X RS-422/485)	174	139	126	116
4I64	PC104-PLUS - MiniPCI adapter	75	60	56	51
4I64-NFT	PC104-PLUS - MiniPCI adapter - (No PC/104 F/T Connector)	68	54	50	47
4I65	PC104-PLUS Anything I/O - 72 I/O bits - 200K Spartan II FPGA	199	159	144	133
4I66	PC104-PLUS - 4 PORT MAC-HUB	199	159	144	133
4I67	PC104-PLUS Dual bridged Mini-PCI adapter	139	111	93	83
4I67-NFT	PC104-PLUS Dual bridged Mini-PCI adapter (No PC/104 F/T Connector)	132	105	87	79
4I70	PC104-PLUS to cabled PCI express bridge - Used with Infiniband Cable	139	111	93	83
4I70-NFT	PC104-Plus to cabled PCIE - Used with Infiniband Cable (No PC/104 F/T Connector)	132	104	86	77
4I71	PC104-Plus 8 port 100BaseT MAC-Switch	219	176	160	147
4I71-NFT	PC104-Plus 8 port 100BaseT MAC-Switch (No PC/104 F/T Connector)	132	104	86	77
4I71S	8 port 100BT Switch	212	169	153	140
4I71S-NFT	8 port 100BT Switch (No PC/104 F/T Connector)	206	164	148	136
4I73	PC104-PLUS to cabled PCI express bridge - Used with PCIE Cable	139	111	93	83
4I73-NFT	PC104-Plus to cabled PCI express bridge - Used with PCIE Cable (No PC/104 F/T Connector)	132	104	86	77
4P20	PC104-PLUS 11 Watt POE power supply	119	94	85	77

### PCI/104 CARDS:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
4C81-R32M-F32M	PCI/104 166 MHz ARM9 CPU 32M RAM 32M Flash	229	178	162	149
4C81-R64M-F64M	PCI/104 166 MHz ARM9 CPU 64M RAM 64M Flash	260	203	185	169
4C81-FPGA200	200K FPGA option for 4C81	40	40	40	40
4C81-FPGA400	400K FPGA option for 4C81	50	50	50	50
4I68-4	PCI/104 Anything I/O - 72 I/O bits - 400K Spartan 3 FPGA	229	183	166	153
4I69	PCI/104 Anything I/O - 72 I/O bits - LX16 Spartan 6 FPGA	229	183	166	153
4I69-AIN	4I69 8 channel analog input option	35	35	35	35
4I72	PCI/104 Quad MiniPCI bridge adapter	161	129	117	108

### PCI CARDS:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
5I20	PCI Anything I/O - 72 I/O bits - 200K Spartan II FPGA	199	159	144	133
5I21	PCI Serial Anything I/O - 12 Full duplex RS-422 ports - 400K Spartan III FPGA	229	183	166	153
5I22-1	PCI Anything I/O - 96 I/O bits - 1M gate Spartan 3 FPGA	369	299	279	219
5I22-1.5	PCI Anything I/O - 96 I/O bits - 1.5M gate Spartan 3 FPGA	429	342	311	249
5I23	PCI Anything I/O - 72 I/O bits 400K gate Spartan 3 FPGA	229	183	166	153
5I70	PCI to cabled PCIEExpress bridge - Used with Infiniband Cable	113	90	82	75
5I71	PCI to cabled PCIEExpress bridge - Used with PCIE cable	113	90	82	75

### PCI EXPRESS CARDS:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
3X20-1	External PCIE Anything I/O 144 I/O bits 1M gate Spartan3 FPGA	377	301	274	253
3X20-2	External PCIE Anything I/O 144 I/O bits 2M gate Spartan3 FPGA	377	301	274	253
7I68	External 1 lane cabled PCIE Motherboard for 3X20	99	79	72	67



PCI Express to cabled PCI Express adapter  
 terminal 1 slot PCIE Motherboard for 3X20

69 55 50 46  
 99 79 72 67

MESA ELECTRONICS - 4175 Lakeside Drive, Suite 100, Richmond, CA 94806-1950 U.S.A. Tel. (510) 223-9272 - Fax (510) 223-9585 – Website: [www.mesanel.com](http://www.mesanel.com)

## MESA ELECTRONICS PRICE LIST 3/1/2010

### ANYTHING I/O ACCESSORIES + MOTION CONTROL:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
3C20	Standalone 1 axis 100W servo motor controller	79	65	59	54
THCAD-10	High isolation A-D, 10V	69	55	50	46
THCAD-300	High isolation A-D, 300V	69	55	50	46
7I29	2 axis 20A 175V Hbridge for Anything I/O	299	245	222	205
7I30-4	4 axis 3A servo motor Hbridge for Anything I/O	89	71	65	60
7I31	Debug LED card - 24 LEDs + feedthrough for Anything I/O	35	28	25	22
7I32	2 axis 3A Microstepping stepper driver for Anything I/O	89	71	65	60
7I33	4 axis Analog servo amp interface for Anything I/O	69	55	50	46
7I33TA	4 axis Analog servo amp interface - terminal strip I/O for Anything I/O	79	65	59	54
7I34	8 channel RS-422/485 interface for Anything I/O	35	28	25	22
7I37	16 in 8 out isolated driver for Anything I/O	69	55	50	46
7I37TA	16 in 8 out isolated driver terminal I/O for Anything I/O	79	65	59	54
7I39-LV	Dual 3 phase BLDC motor driver 10A 30V for Anything I/O	149	119	106	98
7I39-HV	Dual 3 phase BLDC motor driver 5A 50V for Anything I/O	149	119	106	98
7I40-LV	Dual HBridge 10A 40V for Anything I/O	149	119	106	98
7I40-HV	Dual HBridge 7A 80V for Anything I/O	149	119	106	98
7I42	I/O protector for Anything I/O	35	28	25	22
7I42TA	I/O protector terminal I/O for Anything I/O	45	36	32	28
7I44	8 channel RS422/485 interface + RJ45 breakout	69	55	50	46
7I46	6 channel SPI breakout	35	28	25	22
7I47	12 channel motion oriented RS-422 breakout	69	55	50	46
7I48	6 channel analog servo interface - quadrature encoder input	99	79	72	67
7I49	6 channel analog servo interface - resolver input	184	147	134	123
7I50	SPI to 24 TTL/I/O Module rack expander	45	36	32	28
7I64	24 in 24 out isolated I/O card	198	158	144	132
7I65	8 Axis analog servo interface - 16 bit DACs - 13 bit ADCs	279	224	205	188
7I66	48 in 12 out isolated I/O card	198	158	144	132
8I20	2200 W 400V 3 phase motor drive	239	192	174	159
SOFTDMC	Licence for SOFTDMC if not used with MESA cards	100	30	25	22

### USB + SERIAL ANYTHING I/O:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
7I43H	Anything I/O High speed USB - 400K FPGA - 48 I/O	119	94	85	78
7I43-P	Anything I/O parallel only - 200K FPGA - 48 I/O	79	65	59	54
7I43-U	Anything I/O USB/parallel - 200K FPGA - 48 I/O	89	71	65	59
7I43-U-4	Anything I/O USB/parallel - 400K FPGA - 48 I/O	99	79	72	67
7I60	Anything I/O Remote 96 bit - I/O module pinout 200k gate	258	206	188	173
7I61-U	Anything I/O USB/Parallel 96 bit - I/O module pinout SP6 LX16	258	206	188	173

### IDE ADAPTER:

PART NO.	DESCRIPTION	QUANTITY PRICING			
		1-4	5-24	25-99	100+
CFADPTCS	Compact Flash - IDE adapter type 1 and 2 - Chant Sincere	14	14	14	14
CFADPTH	Dual Compact Flash - IDE adapter - Fujitsu connectors	50	40	37	33
CFADPT7-S	Compact Flash - IDE adapter - 2.5 harddrive footprint - single	17	17	17	17
CFADPT7-D	Dual Compact Flash - IDE adapter - 2.5 harddrive footprint - double	25	25	25	25
CFADPT9	Compact Flash - SATA adapter - minimum size	35	28	26	24
CFADPT10	Compact Flash - SATA adapter - 2.5 drive size	35	28	26	24



## MESA ELECTRONICS PRICE LIST 3/1/2010

### ACCESSORY PRICE LIST

#### ADAPTOR CARDS AND CABLES:

DWNLDADPT	serial download cable 5 ft with null-modem, 10 pin header to DB9 female	20
KBADPT	Keyboard adapter	20
USB-JTAG	USB JTAG Programmer	99

#### BUS ADAPTORS:

104-AT	16 bit PC/104 to edgcard adaptor	40
PC104-PLUS-PCI	PC104-PLUS - PCI edgcard adaptor Allows use of PC104-PLUS cards in standard PCI backplane	75
PCI-PC104-PLUS	PCI-PC104-PLUS adapter Allows use of standard PCI cards with PC104-PLUS CPU	75

#### GENERIC ADAPTOR CABLES AND ACESORIES:

SPC1ADPT	10 pin .1" header to 9 pin DB male 8"	10
2MM10X1	10 pin 2mm header - one ended cable 12"	8
2MM10X2	10 pin 2mm header - double ended cable 12"	15
2MM26X1	26 pin 2mm header - one ended cable 12"	9
2MM26X2	26 pin 2mm header - double ended cable 8"	15
2MM26X100	26 pin 2mm to .1" adaptor, Male 26 pin 2MM tp male 26 pin .1" PCB	
485ADPT	RS-232 to RS485 adaptor for 4I23 / 4C24 / 4I26/ Generic RS232, Uses RTS for 485 xmit enable	24
4X422	RS232 to quad RS422 interfaces on RJ45 For 3C20, 8I20	35
FPROG	Simple programmer for 3.3V and 5V flash EEPROMS Reads and programs 128K - 8M byte parts Reads 128K-512K EPROMS Requires 5V and parallel port for operation	59
AIO CABLE	50 conductor flat cable for Anything I/O cards Price is for 1 foot cable, add \$1.00 for each additional foot	15 1
EPP parallel cable	26 conductor flat cable for 7143.7I61 female header to DB25M 3 FT additional feet	15 0.5
PTB8	Phoenix compatible 3.5 mm 8 position screw terminal block	1.5
PTB2	Phoenix compatible 3.5 mm 2 position screw terminal block	.50

IB-CBL-3M	Infiniband x1 Cable Assembly, 3.00m	56.12
PCIE-CBL-3M	PCIe x1 Cable Assembly, TDP, 3.00m	57.71

Note Additional Charges / Misc. Info: Industrial temp range (-40°C to +85°C) available on most PC/104 cards, add suffix -I and add 20% to price. For larger quantities and OEM options consult factory. All prices subject to change without notice. All prices FOB Richmond, CA USA. All PC/104 cards are stack-through type.