



## MESA ELECTRONICS PRICE LIST 12/12/11

### 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	195	186
4A24-2	High speed 16 bit A-D 200KHz	257	206	195	186
4A24-5	High speed 16 bit A-D 500KHz	314	251	239	227
4C28-R4M	40 MHZ 386SX CPU 4M RAM	307	246	233	222
4C28-R8M	40 MHZ 386SX CPU 8M RAM	326	261	248	235
4C28-F32M	4C28 32M IDE flash disk option	35	35	35	35
4C28-ETHER	4C28 Ethernet option	57	46	43	41
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	290	276
4C61A-R64M	64M 133 MHz 5X86 CPU + Ethernet +VGA + IDE flash	411	329	312	297
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	113	108
4I22	Timer - I/O - 10 Mhz	158	126	120	114
4I22-25	Timer - I/O - 25 MHz	175	140	133	126
4I23A	Quad serial (4X RS-232)	134	107	102	97
4I23B	Quad serial (2X RS-232+ 2X RS-422)	134	107	102	97
4I23C	Quad serial (4X RS-422)	134	107	102	97
4I24	96 bit digital I/O (2X 50 pin)	108	86	82	78
4I24H	96 bit digital I/O (2X 50 pin) 24 mA	193	154	147	139
4I24I	96 bit digital I/O (ISO pinout)	108	86	82	78
4I24M	72 bit digital I/O (Module rack pinout)	108	86	82	78
4I26	Floppy+IDE+2S+P	149	119	113	108
4I27	2 axis motor controller (PWM)	291	233	221	210
4I28	4 axis motor controller (PWM)	561	449	426	405
7I25	Dual channel 125W H bridge for 4I27/4I28/4I34	149	119	113	108
7I27	Dual channel 400W H bridge for 4I27/4I28/4I34	275	220	209	199
4I27A	2 axis motor controller (Analog-out)	385	308	293	278
4I29	Ethernet Interface BNC/10BaseT	191	153	145	138
4I29E	Ethernet Interface Ext BNC/10BaseT	203	162	154	147
4I29T	Ethernet Interface 10BaseT only	149	119	113	108
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	151	144
4I32A	Quad advanced serial (4X RS-232)	201	161	153	145
4I32B	Quad advanced serial (2X RS-232 + 2X RS-422/485)	201	161	153	145
4I32C	Quad advanced serial (4X RS-422/485)	201	161	153	145
4I34-1	Anything I/O 64 bit 100k gate	161	129	122	116
4I34-2	Anything I/O 64 bit 200k gate	184	147	140	133
4I34M-1	Anything I/O 48 bit I/O module pinout 100k gate	161	129	122	116
4I34M-2	Anything I/O 48 bit I/O module pinout 200k gate	184	147	140	133
4I36	Octal Quadrature interface - 50K FPGA	199	159	151	144
4I36-1	Octal Quadrature interface - 100K FPGA	229	183	174	165
4I38-1	Anything I/O 48 bit I/O module pinout 1M gate	275	220	209	199
4I38-1.5	Anything I/O 48 bit I/O module pinout 1.5M gate	326	261	248	235
4I39	Anything I/O 8 channel isolated RS-422 + 24 GPIO	299	239	227	216
ISIO-R	Isolated I/O - relay outputs	151	121	115	109
ISIO-T	Isolated I/O - transistor outputs	120	96	91	87
ISIO-RM	ISIO removeable terminal strip option	20	20	20	20



## MESA ELECTRONICS PRICE LIST 12/12/11

### 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	290	276
4C62-R64M	PC104-PLUS 133 MHz 5X86 CPU - 64M RAM - Ethernet - VGA	411	329	312	297
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	88	84
4I63A	PC104-PLUS advanced serial (4X RS-232)	174	139	132	126
4I63B	PC104-PLUS advanced serial (2X RS-232 + 2X RS-422/485)	174	139	132	126
4I63C	PC104-PLUS advanced serial (4X RS-422/485)	174	139	132	126
4I64	PC104-PLUS - MiniPCI adapter	75	60	57	54
4I64-NFT	PC104-PLUS - MiniPCI adapter - (No PC/104 F/T Connector)	68	54	52	49
4I66	PC104-PLUS - 4 PORT MAC-HUB	199	159	151	144
4I67	PC104-PLUS Dual bridged Mini-PCI adapter	139	111	106	100
4I67-NFT	PC104-PLUS Dual bridged Mini-PCI adapter (No PC/104 F/T Connector)	132	106	100	95
4I70	PC104-PLUS to cabled PCI express bridge - Used with Infiniband Cable	139	111	106	100
4I70-NFT	PC104-Plus to cabled PCIE - Used with Infiniband Cable (No PC/104 F/T Conn	132	106	100	95
4I71	PC104-Plus 8 port 100BaseT MAC-Switch	219	175	166	158
4I71-NFT	PC104-Plus 8 port 100BaseT MAC-Switch (No PC/104 F/T Connector)	212	170	161	153
4I71S	8 port 100BT Switch	212	170	161	153
4I71S-NFT	8 port 100BT Switch (No PC/104 F/T Connector)	206	165	157	149
4I73	PC104-PLUS to cabled PCI express bridge - Used with PCIE Cable	139	111	106	100
4I73-NFT	PC104-Plus to cabled PCI express bridge - Used with PCIE Cable (No PC/104	132	106	100	95
4P20	PC104-PLUS 11 Watt POE power supply	119	95	90	86

### 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	183	174	165
4C81-R64M-F64M	PCI/104 166 MHz ARM9 CPU 64M RAM 64M Flash	260	208	198	188
4C81-FPGA200	200K FPGA option for 4C81	40	40	40	40
4C81-FPGA400	400K FPGA option for 4C81	50	50	50	50
4I65	PC104-PLUS Anything I/O - 72 I/O bits - 200K Spartan II FPGA	199	159	151	144
4I68-4	PCI/104 Anything I/O - 72 I/O bits - 400K Spartan 3 FPGA	229	183	174	165
4I69	PCI/104 Anything I/O - 72 I/O bits - LX16 Spartan 6 FPGA	229	183	174	165
4I69-AIN	4I69 8 channel analog input option	35	35	35	35
4I72	PCI/104 Quad MiniPCI bridge adapter	161	129	122	116

### 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	151	144
5I21	PCI Serial Anything I/O - 12 Full duplex RS-422 ports - 400K SP3	229	183	174	165
5I22-1	PCI Anything I/O - 96 I/O bits - 1M gate Spartan 3 FPGA	369	295	280	266
5I22-1.5	PCI Anything I/O - 96 I/O bits - 1.5M gate Spartan 3 FPGA	429	343	326	310
5I23	PCI Anything I/O - 72 I/O bits 400K gate Spartan 3 FPGA	229	183	174	165
5I25	PCI Anything I/O - 34/ I/O bits LX9 Spartan6 FPGA	89	71	68	64
5I70	PCI to cabled PCIExpress bridge - Used with Infiniband Cable	113	90	86	82
5I71	PCI to cabled PCIExpress bridge - Used with PCIE cable	113	90	86	82



## MESA ELECTRONICS PRICE LIST 12/12/11

### 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	63	60	57
3I20	RS-232 to 4XRS-422 adapter for 3C20	49	39	37	35
THCAD-10	High isolation A-D, 10V	69	55	52	50
THCAD-300	High isolation A-D, 300V	69	55	52	50
7I29	2 axis 20A 175V Hbridge for Anything I/O	299	239	227	216
7I30-4	4 axis 3A servo motor Hbridge for Anything I/O	89	71	68	64
7I31	Debug LED card - 24 LEDs + feedthrough for Anything I/O	35	28	27	25
7I32	2 axis 3A Microstepping stepper driver for Anything I/O	89	71	68	64
7I33	4 axis Analog servo amp interface for Anything I/O	69	55	52	50
7I33TA	4 axis Analog servo amp interface - terminal strip I/O for Anything I/O	79	63	60	57
7I34	8 channel RS-422/485 interface for Anything I/O	35	28	27	25
7I37	16 in 8 out isolated driver for Anything I/O	69	55	52	50
7I37-COM	16 in 8 out isolated driver terminal I/O, Common VOUT+ and VIN-	79	63	60	57
7I37TA	16 in 8 out isolated driver terminal I/O for Anything I/O	79	63	60	57
7I39-LV	Dual 3 phase BLDC motor driver 10A 30V for Anything I/O	149	119	113	108
7I39-HV	Dual 3 phase BLDC motor driver 5A 50V for Anything I/O	149	119	113	108
7I40-LV	Dual HBridge 10A 40V for Anything I/O	149	119	113	108
7I40-HV	Dual HBridge 7A 80V for Anything I/O	149	119	113	108
7I42	I/O protector for Anything I/O	35	28	27	25
7I42TA	I/O protector terminal I/O for Anything I/O	45	36	34	32
7I44	8 channel RS422/485 interface + RJ45 breakout	69	55	52	50
7I46	6 channel SPI breakout	35	28	27	25
7I47	12 channel motion oriented RS-422 breakout	69	55	52	50
7I47S	8/12 Channel motion oriented RS-422 interface with analog out	79	63	60	57
7I48	6 channel analog servo interface - quadrature encoder input	99	79	75	71
7I49	6 channel analog servo interface - resolver input	184	147	140	133
7I50	SPI to 24 TTL/I/O Module rack expander	45	36	34	32
7I52	6 Encoder plus 6 RS-422 serial channel breakout	69	55	52	50
7I52S	12 channel differential output + 6 channel encoder interface	69	55	52	50
7I64	24 in 24 out isolated I/O card remote real time I/O	198	158	150	143
7I65	8 Axis analog servo interface - 16 bit DACs - 13 bit ADCs	279	223	212	201
7I66-8	16 in 8 out isolated 10-32V input/output 2.5A remote real time I/O	79	63	60	57
7I66-24	24 out isolated 10-32V 2.5A output remote real time I/O	119	95	90	86
7I69	48 I/O TTL remote real time I/O	69	55	52	50
7I70	48 input isolated 5-32V remote real time I/O	79	63	60	57
7I71	48 output isolated 5-32V 300 mA remote real time I/O	119	95	90	86
7I73	Real time remote pendant controller LCD/keypad/encoder/analog	49	39	37	35
7I74	8 channel RS422/485 interface + RJ45 breakout for 25 pin Anything I/O	69	55	52	50
7I75	I/O protector terminal I/O for 25 pin Anything I/O	45	36	34	32
7I76	5 Axis STEP / DIR - spindle - 48 isolated I/O for 25 pin Anything I/O	119	95	90	86
7I77	6 axis analog servo interface - 48 isolated I/O for 25 pin Anything I/O	159	127	121	115
7I78	4 axis STEP/DIR -spindle-SSerial expansion port for 25 pin Anything I/O	69	55	52	50
8I20	2200 W 400V 3 phase motor drive	239	191	182	173
7i76 Plug-N-Go	5I25+7I76+IEEE1284 cable kit	199	159	151	144
7i77 Plug-N-Go	5I25+7I77+IEEE1284 cable kit	239	191	182	173
SOFTDMC	Licence for SOFTDMC if not used with MESA cards	100	30	25	22



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

## MESA ELECTRONICS PRICE LIST 12/12/11

### 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	302	287	272
3X20-2	External PCIE Anything I/O 144 I/O bits 2M gate Spartan3 FPGA	377	302	287	272
7I68	External 1 lane cabled PCIE Motherboard for 3X20	99	79	75	71
6I71	PCI Express to cabled PCI Express adapter	69	55	52	50
6I68	Internal 1 slot PCIE Motherboard for 3X20	99	79	75	71

### 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	95	90	86
7I43-P	Anything I/O parallel only - 200K FPGA - 48 I/O	79	63	60	57
7I43-U	Anything I/O USB/parallel - 200K FPGA - 48 I/O	89	71	68	64
7I43-U-4	Anything I/O USB/parallel - 400K FPGA - 48 I/O	99	79	75	71
7I60	Anything I/O Remote 96 bit - I/O module pinout 200k gate	258	206	196	186
7I61	Anything I/O USB/Parallel 96 bit - I/O module pinout SP6 LX16	229	183	174	165
7I62	Anything I/O Ethercat interface 96 bit I/O module SP6 SLX16	258	206	196	186

### 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	38	36
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	27	25
CFADPT10	Compact Flash - SATA adapter - 2.5 drive size	35	28	27	25



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

## MESA ELECTRONICS PRICE LIST 12/12/11

### 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 ACCESORIES:

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	20
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-M PARALLEL CABLE	26 conductor flat cable for 7143.7I61 female header to DB25M 3 FT additional feet	15 .50
DB25F-IDC26 CABLE	DB25F to IDC26 with bracket for 5I25	5
DB25M-DB25M 6FT	DB25Mto DB25M IEEE 1284 compliant parallel port cable 6' length	10
DB25M-DB25M 10FT	DB25Mto DB25M IEEE 1284 compliant parallel port cable 10' length	12.50
PTB8	Phoenix compatible 3.5 mm 8 position screw terminal block, side entry	1.50
PTB6	Phoenix compatible 3.5 mm 6 position screw terminal block, side entry	1
PTB2	Phoenix compatible 3.5 mm 2 position screw terminal block, side entry	.50
PTB8V	Phoenix compatible 3.5 mm 8 position screw terminal block, top entry	1.50
PTB6V	Phoenix compatible 3.5 mm 6 position screw terminal block, top entry	1.20

PTB2V	Phoenix compatible 3.5 mm 2 position screw terminal block, top entry	.50
IB-CBL-3M	Infiniband x1 Cable Assembly, 3.00m	56.12
PCIE-CBL-3M	PCIe x1 Cable Assembly, TDP, 3.00m	57.71
CAT6-2	CAT 6 cable for SSERIAL 2M RJ45 both ends for 7144/7174	3.00
CAT6-4	CAT 6 cable for SSERIAL 4M RJ45 both ends for 7144/7174	5.00
CAT6-1-TB6	CAT 6 cable for SSERIAL 1M one end TB6 for 7176,7177,7178	5.00
CAT6-2-TB6	CAT 6 cable for SSERIAL 2M one end TB6 for 7176,7177,7178	5.00
CAT6-4-TB6	CAT 6 cable for SSERIAL 4M one end TB6 for 7176,7177,7178	6.00
CAT6-1-TB8	CAT 6 cable for SSERIAL 1M one end TB8 for 7152,7153	5.00
CAT6-2-TB8	CAT 6 cable for SSERIAL 2M one end TB8 for 7152,7153	5.00
CAT6-4-TB8	CAT 6 cable for SSERIAL 4M one end TB8 for 7152,7153	6.00

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.