



Tri-M Engineering Inc.

www.tri-m.com

PC/104 power supplies, smart battery chargers, bus termination, bus adaptors and enclosures.

PC/104 CPU Products (Based on MachZ, PC-on-a-Chip)

		1	2 - 24	25 - 49	50 - 99
MZ104-1MB	PC/104 Computer, 2 serial, 1 parallel, 1 USB, E-IDE, 1mb BIOS flash, 0K SDRAM	\$ 249	239	219	199
MZ104-4MB	PC/104 Computer, 2 serial, 1 parallel, 1 USB, E-IDE, 4mb BIOS flash, 0K SDRAM	\$ 299	284	259	237
MZ104-6SER	Single Board Computer, PC/104 header, 16mb dram, 8mb flash, 6 serial ports, Compact	\$ 399	379	349	309
MZ104+	PC/104+ Computer, 2 serial, 1 parallel, 1 USB, E-IDE, 2x 10/100 ethernet, 0K SDRAM	\$ 399	379	349	309
MZ104-EV	# PC/104 Computer, 2 serial, 1 parallel, 1 USB, E-IDE, 1x 10/100 ethernet, vga/lcd, 0K S	\$ 449	426	390	345
ICC-MZ104	# PC/104, 2ser,1par,1 USB,8-ch analog I/O,4-ch DIO,E-IDE,10/100eth,30W ps,0K SDR	\$ 799	729	649	599

		1	2 - 24	25 - 49	50 - 99
CABLESET1-MZ104	Cable only solution (dual serial, parallel, dual floppy, dual IDE, Utility w/ keyboard	\$ 49	45	40	36
CABLESET2-MZ104	Cableset with UTIL104 board (dual floppy, dual IDE, 3 interconnect cables)	\$ 89	82	73	66
CABLESET2-MZ104+	# Cableset for MZ104+	\$ 99	92	82	74
CABLESET2-MZ104-EV	# Cableset for MZ104-EV	TBA	-	-	-
CABLE-ICC-MZ104	# Cableset for ICC-MZ104	TBA	-	-	-

MZ104 KIT	MZ104 Starter Kit	\$ 799	-	-	-
MZ104+ KIT	# MZ104+ Starter Kit	\$ 999	-	-	-
MZ104-EV KIT	# MZ104-EV Starter Kit	\$ 999	-	-	-

MEM-8MB-MZ	8mb SDRAM SO-DIMM for above	\$ 20	19	18	17
MEM-16MB-MZ	16mb SDRAM SO-DIMM for above	\$ 34	32	30	28
MEM-32MB-MZ	32mb SDRAM SO-DIMM for above	\$ 60	57	54	51
MEM-64MB-MZ	64mb SDRAM SO-DIMM for above	\$ 110	104	99	93

Power Supplies

V104 Vehicle Power Supply

		1	2 - 24	25 - 49	50 - 99
V104-5-16	25 Watt, +5V@5A, (0 to +70C)	\$ 119	110	99	92
V104-512-16	25 Watt, +5V@5A, +12V@1A, (0 to +70C)	\$ 149	139	125	112

Options for V104 only

		1	2 - 24	25 - 49	50 - 99
OPT-5V	optional -5VDC @ 400mA **	\$ 35	32	29	27
OPT-12V	optional -12VDC @ 160mA **	\$ 35	32	29	27
OPT-512V	optional -5VDC & -12VDC **	\$ 70	64	58	54
AC/IN	AC Input (limited power output with this option) **	\$ 15	14	13	12
ON/OFF	Remote on/off **	\$ 15	14	13	12
NT	Enhanced Temperature (-20 to +80C) **	15%	15%	15%	15%
ET	Extended Temperature (-40 to +85C) **	30%	30%	30%	30%



HE104 High Efficiency Power Supply

HE104-512-16 50 Watt, +5V@10A, +12V@2A, (-40to+85C)

Options for HE104 only

OPT-5H optional -5VDC @ 400mA **
OPT-12H optional -12VDC @ 500mA **
OPT-512H optional -5VDC & -12VDC **

Options for V104 / HE104

OPT-T optional AC bus termination **
PM104 Power Management Unit **
PM104 CABLE Cableset for PM104
BC104 Battery Charger 1.0A **
RPD Reverse Polarity Diode Protection **
BATT-IN Battery Input option **

** this option is factory installed and configured, it can not be retrofitted into existing units

TRANSORB High Power, Load Dump Transient Protector

Battery Backup Modules (V104 / HE104)

BAT104-7AA-NiCd PC/104 Battery Module (with batteries)
BAT104-NB PC/104 Battery Module (without batteries)
BAT-AA-NiCd one battery

HESC - High Efficiency Smart Charging Power Supplies

HESC-104 60 watt, +/- 5, +/- 12 VDC, -40 to +85C
HESC-SER 60 watt, +/- 5, +/- 12 VDC, -40 to +85C, Serial Interface

TS-I2C Digital temperature sensor

Standalone Smart Battery Charger

HEBC 78W output, 4.0A max charging current, 19.5V max charging voltage

Battery Backup Modules (HESC) *

BAT104-NiCd NiCad, 7AA x 0.6Ah, 8.4V @ 600mAh, digital temp sensor
BAT104-NiMh NiMh, 7AA x 1.5Ah, 8.4V @ 1500mAh, digital temp sensor
BAT104-SLA25 Sealed Lead Acid, 5D x 2.5Ah, 10V @ 2.5 Ah, digital temp sensor
BAT104-SLA45 Sealed Lead Acid, 5DD x 4.5Ah, 10V @ 4.5Ah, digital temp sensor

*compatible only with HESC power supplies

	1	2 - 24	25 - 49	50 - 99
\$	229	199	180	169
	1	2 - 24	25 - 49	50 - 99
\$	35	32	29	27
\$	35	32	29	27
\$	70	64	58	54
	1	2 - 24	25 - 49	50 - 99
\$	50	45	40	36
\$	89	79	70	62
\$	35	32	30	28
\$	135	125	110	99
\$	15	14	13	12
\$	15	14	13	12
\$	45	41	38	36
	1	2 - 24	25 - 49	50 - 99
\$	149	134	127	119
\$	129	116	110	103
\$	7	7	7	7
	1	2 - 24	25 - 49	50 - 99
\$	399	369	349	329
\$	399	369	349	329
\$	29	26	25	23
	1	2 - 24	25 - 49	50 - 99
\$	99	89	85	79
	1	2 - 24	25 - 49	50 - 99
\$	149	134	127	119
\$	199	179	169	159
\$	149	134	127	119
\$	179	161	152	143



PC/104 Enclosure& Accs.

Can-Tainer Products

		1	2 - 24	25 - 49	50 - 99
CT2	# Development Kit, 2", max 3 modules,	\$ 79	79	74	69
CT4	Development Kit, 4", max 5 modules, 930g	\$ 93	93	93	84
CT5	Development Kit, 5", max 8 modules, 1100g	\$ 95	95	95	86
CT6	Development Kit, 6", max 8 modules, 1265g	\$ 96	96	96	88
CT8	Development Kit, 8", max 11 modules, 2085g	\$ 99	99	99	89
CT10	Development Kit, 10", max 14 modules, 2276g	\$ 129	129	129	116
CT12	Development Kit, 12", max 17 modules, 2564g	\$ 149	149	149	134

Can-Tainer Accessories

CT-EC00	Endcap - Solid	\$ 15	14	13	12
CT-EC01	Endcap - 3 x DB9 , 1 x DB power, 2 x DB25	\$ 15	14	13	12
CT-EC02	Endcap - 2 x DB9 , 1 x RJ45, 1 x DIN, 1 x 2.5mm circ.	\$ 15	14	13	12
CT-EC03	Endcap - 2x DB9, 1x RJ45, 1x 2.5mm circular	\$ 15	14	13	12
CT-EC04	Heavy Duty End Cap, solid	\$ 25	23	21	20
CT-EC05	Endcap - 2x DB9, 1x RJ45, 1x DIN, 3x round connector	\$ 15	14	13	12
CT-EC06	Endcap - 2x DB9, 1x RJ45, 3x circular	\$ 15	14	13	12
CT-EC09	Endcap - 6x DB9, 1x DB25, 3x circular	\$ 15	14	13	12
CT-EC10	Endcap - 8x DB9	\$ 15	14	13	12
CT-EC11	Endcap - 8x DB9, 1x DB25	\$ 15	14	13	12
CT-EC12	Endcap - 4x DB9, 1x DB25	\$ 15	14	13	12
CT-EC13	Endcap - 2x DB9, 3x circular	\$ 15	14	13	12
CT-EC14	Endcap - 2x DB9, 1x RJ45, 1x DB50, 4x circular	\$ 15	14	13	12
CT-EC15	Endcap - 2x DB9, 1x DB25, 1x DB50	\$ 15	14	13	12
CT-EC16	Endcap - 2x DB25, 2x DB50	\$ 15	14	13	12
CT-EC17	Endcap - 20x circular	\$ 15	14	13	12
CT-EC18	Endcap - 1x circular, .94"	\$ 15	14	13	12
CT-EC-UTIL	Endcap - fits MZ104 Utility board	\$ 15	14	13	12
PC/104-AL00	Solid PC/104 plate	\$ 15	14	13	12
CT6-VD00	Vertical Divider for CT6	\$ 21	19	18	17
CT8-VD00	Vertical Divider for CT8	\$ 24	22	20	19
CT10-VD00	Vertical Divider for CT10	\$ 26	23	22	21
CT12-VD00	Vertical Divider for CT12	\$ 28	25	24	22
CT-CABLE	3 x DB9 , 1 x DB power, 2 x DB25	\$ 39	37	33	31
CT-FAN	Mini Fan Kit, 12V @ 58 mA	\$ 15	14	13	12



Versa-Tainer Products

VT4	Versa-Tainer Development Kit, 4"	\$ 139	132	125	118
VT6	Versa-Tainer Development Kit, 6"	\$ 149	141	134	126
VT8	Versa-Tainer Development Kit, 8"	\$ 159	151	143	135
VT10	Versa-Tainer Development Kit, 10"	\$ 179	170	161	152
VT12	Versa-Tainer Development Kit, 12"	\$ 199	189	179	169

PC/104 - DiskOnChip Carrier Board

MD104	Memory Disk, 0K, up to 8 DiskOnChip	\$ 99	89	79	69
TMD104	Tiny Memory Disk, 0K, up to 2 DiskOnChip	\$ 69	59	55	49

PC/104 - IDE Drive Adapter Modules

DA104-HD	& supports 2.5" IDE hard drive	\$ 99	89	79	69
DA104-MFD	supports IDE 2000 flash disk	\$ 99	89	79	69
DA104-CFD	supports Compact Flash	\$ 99	89	79	69

OPT/HD	& additional support for 2.5" IDE hard drive on underside of DA104	\$ 29	27	25	21
OPT/MFD	additional support for IDE 2000 on underside of DA104	\$ 29	27	25	21

PC/104 AC Bus Termination Modules

PC104-T8S	8-bit 'AC' bus termination, stackthrough	\$ 89	79	70	62
PC104-T8N	8-bit 'AC' bus termination, non-stackthrough	\$ 89	79	70	62
PC104-T16	16-bit 'AC' bus termination, stackthrough	\$ 125	112	100	89

PC/104 Relay Modules

R104-88	8 Inputs and 8 Relay Outputs	\$ 199	179	169	159
R104-DI	16 Optoisolated Inputs	\$ 199	179	169	159
R104-DO	16 Relay Outputs	\$ 199	179	169	159
IR104	20 Optoisolated Inputs and 20 Relay Outputs	\$ 325	295	285	275
IO104-60IN	60 Optoisolated inputs	\$ 199	179	169	159



Adapter & Development Boards

Bus Extender Boards

ISA104	ISA Bus Extender (PC/104 to ISA)
ISA104IO	PC/104 to 3x ISA (16-bit ISA)
ISA104X3	full length ISA adapter to 3 PC104 headers
OPT-ACT	optional AC Bus Termination for ISA104X3
OPT-DEC	optional DiskOnChip decoder for ISA104X3

Development Boards

DEV104-ISA	ISA development backplane
DEV104-PISA	PISA development backplane

	1	2 - 24	25 - 49	50 - 99
\$	99	89	84	79
\$	119	107	101	95
\$	129	116	110	103
\$	50	45	40	36
\$	50	45	40	36
	1	2 - 24	25 - 49	50 - 99
\$	179	161	152	143
\$	179	161	152	143

& EOL, End of Life announced or to be announced

New product or Coming soon

* Special order product, non-cancellable, non-returnable

^ Non-stocking product

1. Delivery:

Within 3 days for items available in stock. Usual lead time for out of stock items is 2 to 4 weeks.

2. Price:

All prices are quoted in US Dollars, fob Coquitlam, BC Canada, and subject to change without notice.

3. Payment:

By VISA, MasterCard, T/T in advance, or other methods subject to acceptance by Tri-M Systems.

4. Warranty

All products carry a one year depot warranty unless otherwise stated.