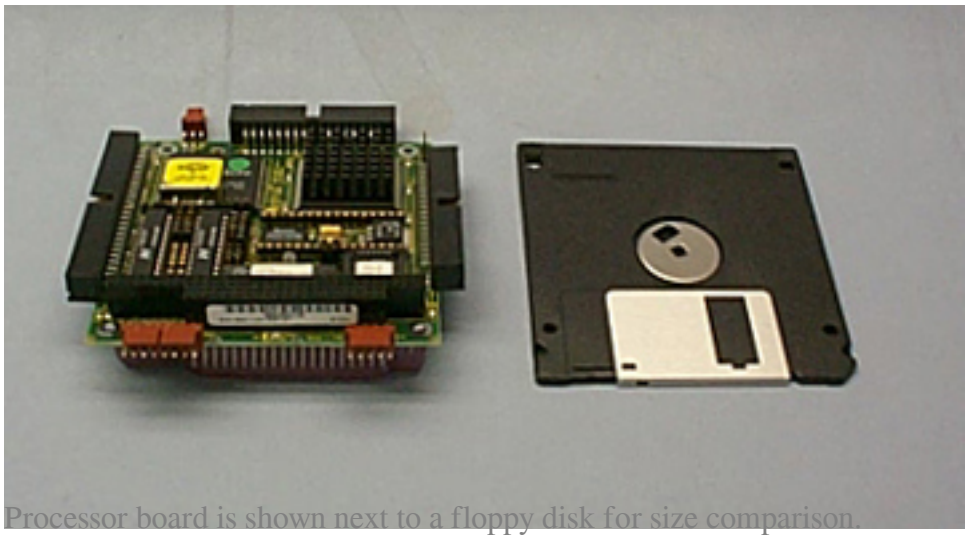
PC/104 - PC/104 Processor Specifications

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PC/104 Processor Specifications



Processor board is shown next to a floppy disk for size comparison.

Electrical Specifications

1.1

Bus Interface	PC/104 8-bit or 16-bit expansion Bus
System Clock	Factory configured for 133 MHz
Interrupts	TTL level input
VCC	+5V +/-5% at 1300mA typical at 133MHz and 32MB DRAM
VCC1	+12V +/-5% (Not required. PC/104 Expansion only)
VCC2	-12V +/-5% (Not required. PC/104 Expansion only)

Memory

1.2

Addressing	32 Megabyte addressing
BIOS ROM	128K PEROM
Memory	Factory installed SMT DRAM in sizes from 8M to 32M
SSD Memory	One 32-pin JEDEC standard sockets support 4-MBit SRAM,

	4MBit PEROM, 4-MBit EPROM, 16-MBit EPROM or the M-Systems 32-pin DOC (DiskOnChip) module

Mechanical

1.3

Dimensions	3.6 * 3.8 (without PC/104 modules or cables)
PC-Board	FR4 Epoxy Glass with 4 signal layers and 2 power planes with screened Component legend, and plated through holes
Jumpers	0.025" square posts on 0.10" centers
Connectors	Mulit I/O -- 50 pin RN type IDH-50-LP
	Floppy Disk -- 34 pin RN type IDH-34-LP
	Fixed Disk -- 40 pin RN type IDH-40-LP
	PC/104 BUS -- 64 pin SAMTEC type ESQ-132-12-G-D 40 pin SAMTEC type ESQ-120-12-G-D
	Power/Reset Connector -- 8 pin Molex 22-12-2084
	Mouse -- 5 pin latching type Molex 22-12-2054
	Speaker -- 3 pin latching type Molex 22-12-2034

Environmental

1.4

Operating Temperature	-40 to +70
Non-Condensing Humidity	5% to 95%

Online URL: https://kb.unavco.org/article/pc-104-pc-104-processor-specifications-438.html