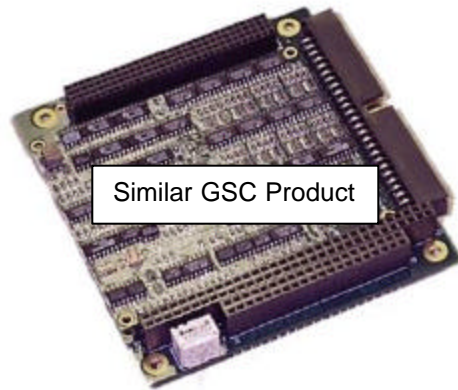


General Standards Corporation

High Performance Bus Interface Solutions

PC104P-FLASH2-64

FLASH AND BATTERY-BACKED SRAM MEMORY



Features Include:

- 16, 32 or 64 Mbytes FLASH memory options
- Memory is read/writeable on 8, 16 or 32-bit boundaries
- 512 Kbytes of Battery-backed RAM is standard on all options (Non-volatile memory)
- 10 Year life for Battery back-up
- High Performance PLX Interface Chip manages the cPCI interface
- Sample Software available
- Simple Read/Write Statements to Operate the Board

Applications Include:

- ✓ Code Storage
- ✓ Look-Up Tables
- ✓ Data Logging
- ✓ Boot-Up Code
- ✓ Calibration Data

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Functional Description:

The PC104P-FLASH2-64 board has from 16 to 64 Mbytes of on-board FLASH memory. In addition each board has 512 Kbytes of battery-backed static RAM (non-volatile memory). The PC104P-FLASH2-64 board is designed to provide additional system non-volatile memory.

Mechanical and Environmental Specifications:

❑ Power Requirements

+5VDC \pm 0.2 VDC at 1.0 Amps, maximum, 1.1 Amps typical
Power Dissipation: 7.0 Watts maximum; 5.5 Watts typical

❑ Physical Characteristics (Overall, excluding spacers):

Height: 23.3 mm (0.92 in)
Width: 94.0 mm (3.78 in)
Depth: 95.9 mm (3.70 in)

❑ Environmental Specifications

Ambient Temperature Range: Operating: 0 to +70 degrees Celsius *
Storage: -40 to +85 degrees Celsius
*Temperature of inlet cooling air.

Relative Humidity: Operating: 0 to 80%, non-condensing
Storage: 0 to 95%, non-condensing

Altitude: Operation to 10,000 ft.
Cooling: Conventional convection cooling

❑ Cooling Requirements

Conventional air cooling; 200 LPFM (typical mezzanine environment).

Ordering Information:

Specify the basic product model number (PC104P-FLASH2-X), where "X" is an option code as indicated below. For example, model number PC104P-FLASH2-64 describes a board with a total of 64Mbytes of flash memory.

Optional Parameter	Value	Specify Option As:
Flash Memory Size:	16Mbyte	X = 16
	32Mbyte	X = 32
	64Mbyte	X = 64

Note: A version of the board (PC104P-NVRAM-512K) without FLASH and 512 Kbytes of battery-backed SRAM is available.