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
**Functional Description:**

The PMC-FLASH-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 PMC-FLASH board is designed to provide additional system non-volatile memory.

**Mechanical and Environmental Specifications:**

- **Power Requirements**
  - FLASH2-16MB typical power consumption: 2.00-3.00 watts at 5VDC
  - FLASH2-32MB typical power consumption: 3.00-3.50 watts at 5VDC
  - FLASH2-64MB typical power consumption: 4.50-5.00 watts at 5VDC

- **Physical Characteristics**
  - Height: 7.0 mm
  - Depth: 149.0 mm
  - Width: 74.0 mm

- **Environmental Specifications**
  - Ambient Temperature Range:
    - Operating: 0 to +55 degrees Celsius
    - Storage: -40 to +85 degrees Celsius
  - Relative Humidity:
    - Operating: 0 to 80%, non-condensing
    - Storage: 0 to 95%, non-condensing
  - Altitude: Operation to 10,000 ft.

- **Cooling Requirements**
  - 200 LFPM minimum air flow across component side of board;

**Ordering Information:**

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

<table>
<thead>
<tr>
<th>Optional Parameter: Flash Memory Size</th>
<th>Value</th>
<th>Specify</th>
<th>Option As:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8Mbyte</td>
<td>X =8MNV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16Mbyte</td>
<td>X =16MNV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32Mbyte</td>
<td>X = 32MNV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64Mbyte</td>
<td>X = 64MNV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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