Pelican™ PMC Carrier Card Family

**Pelican™ PMC Carrier Cards**
Sabtech’s Pelican family of PMC carrier cards adopt PCI Mezzanine Cards (PMC) to a variety of bus architectures including VME, VME64, VME64x, PCI, and PCI Express (PCIe). PMCs combine the electrical characteristics of the PCI bus with the mechanical dimensions of the Common Mezzanine Card (CMC) format, resulting in a small daughter card that can be mounted in industry standard slots to add system features, increase computing power, or increase I/O channel density. Sabtech’s family of Pelican PMC carriers provide a range of I/O capabilities and space-saving form factors to help you build robust, modular systems using PMCs. Choose from our family of PMC carriers to take advantage of the flexibility, economy, and performance of PMC technology.

**Pelican™ VME/PMC Carrier Card**
The Pelican VME/PMC Carrier is a 6U VME card that supports up to 2 PMC modules. Its industry standard Tundra Universe II VME/PCI bridge chip assures compliance with VME and PCI bus standards. The card comes standard with easy-to-read front panel configuration displays, front panel reset switch, and two single wide PMC slots. Sabtech’s Pelican VME/PMC Carrier allows you to build more powerful and less expensive systems by increasing board density while saving VME slot space for future system enhancements.

**Pelican™ VME64/64x PMC Carrier Card**
PMC modules may have user I/O pins that are vendor or application dependent. In an effort to maintain flexibility, ANSI/VITA standardized different I/O routing schemes, most of which are mutually exclusive. It was from the need to support the different routing schemes that the Pelican 64 and 64x were developed. With both the standard and these two variations of the Pelican VME/PMC Carrier, Sabtech can support all standard PMC I/O routing schemes on a space-saving VME64/64x carrier.

**Pelican™ VME/PMC 64x Conduction-Cooled PMC Carrier Card**
The Pelican VME/PMC 64x Conduction-Cooled Carrier is a 6U VME card that supports up to two (2) PMC modules. Its industry standard Tundra Universe II VME/PCI bridge chip assures compliance with VME and PCI Bus standards. The card comes standard with LED configuration, a front panel reset switch, and two single wide PMC slots. The Pelican VME/PMC 64x Conduction-Cooled Carrier allows you to build more powerful and less expensive systems by increasing board density while saving VME slot space for future system enhancements.

**Pelican™ PCI/PMC Carrier Card**
The Pelican PCI/PMC Carrier card is a standard half length PCI card that supports a single PMC module. It requires no set up and supports both 3.3V and 5V PCI signaling. It allows PMC modules to be used in a computer with standard PCI slots with no additional drivers required, making it easy to transport software between PCI, cPCI, and PCIe systems.

**Pelican™ PCI Express/PMC Carrier Card**
The Pelican PCIe/PMC Carrier card is a standard height, half length PCI Express card that supports a single PMC module. It installs in a standard 1x, 4x, 8x, or 16x PCI Express slot and is compatible with PMC modules operating at 33 Mhz or 66 Mhz. Maintain backward-compatibility with existing applications while moving into the next generation of high speed bus architecture with the Pelican PCIe/PMC carrier.
**Pelican™ VME/PMC Carrier Card**

**General Features**
- 33 MHz PCI Bus Interface
- Programmable DMA Controller
- VME A32/A24/A16 Master and Slave Addressing
- Full VMEbus System Controller Functionality
- Easy-to-Read LED Configuration Displays
- 5V PCI Signaling Support

**Technical Specs**
- VMEbus Interface: Fully ANSI/VITA 1.0 Compliant
- PCI Bus Interface: Fully PCI 2.1 Compliant, 5V Signaling
- Form Factor: Eurocard 6U
- Weight: 8oz (unpopulated)
- Power Consumption: +5VDC - 1A
- Operating Temperature: 0°C to +55°C
- Relative Humidity: 5% to 90% (non-condensing)

*Power Consumption based on unpopulated, idle measurements. Actual consumption will vary depending on PMC module power requirements.*

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**Pelican™ VME64/64x PMC Carrier Card**

**General Features**
- 33 MHz PCI Bus Interface
- Programmable DMA Controller
- VME A32/A24/A16 Master and Slave Addressing
- Full VMEbus System Controller Functionality
- Easy-to-Read LED Configuration Displays
- 5V PCI Signaling Support

**Technical Specs**
- VMEbus Interface: Fully ANSI/VITA 1.0 Compliant
- PCI Bus Interface: Fully PCI 2.1 Compliant, 5V Signaling
- Form Factor: Eurocard 6U
- Weight: 8oz (unpopulated)
- Power Consumption: +5VDC - 0A, +12VDC - 0A
- Operating Temperature: 0°C to +55°C
- Relative Humidity: 5% to 90% (non-condensing)

*Power Consumption based on unpopulated, idle measurements. Actual consumption will vary depending on PMC module power requirements.*

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**Pelican™ PCI/PMC Carrier Card**

**General Features**
- Universal 5V or 3.3V PCI Signaling
- 3.3V Supply in Any PCI Slot
- Supports 32-bit PCI 2.1 Compliant
- 96 pin DIN Connector for Debugging PMC Designs

**Technical Specs**
- Form Factor: Standard Height, Half Length PCI
- Weight: 3.3oz (unpopulated)
- Power Consumption: +3.3VDC - 0A, 3A max.
- Operating Temperature: 0°C to +55°C
- Relative Humidity: 5% to 90% (non-condensing)

*Power Consumption based on unpopulated, idle measurements. Actual consumption will vary depending on PMC module power requirements.*

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**Pelican™ PCI Express/PMC Carrier Card**

**General Features**
- Installs in 1x, 4x, 8x, or 16x PCI Express slots
- Supports 32 or 66 Mhz PMCs

**Technical Specs**
- PCI (PMC) Bus Interface: 32-bit PCI 3.0 Compliant
- PCI/PCI Express Bridge Interface: PCI Express Bridge 1.0 Compliant
- Form Factor: Standard Height, Half Length PCIe
- Weight: 4.0oz (unpopulated)
- Power Consumption: +3.3VDC - 0A, 1A max.
- Operating Temperature: 0°C to +55°C
- Relative Humidity: 5% to 90% (non-condensing)

*Power Consumption based on unpopulated, idle measurements. Actual consumption will vary depending on PMC module power requirements.*