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Find the *IXI Technology / Sabtech Industries Pelican PCI/PMC* at our website: ***Click HERE***

SABTECH INDUSTRIES
TACTICAL DATA LINK SPECIALISTS



Pelican™ PMC Carrier Card Family

Pelican™ PMC Carrier Cards

Sabtech's Pelican family of PMC carrier cards adapt 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 capabilites 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 VME/PMC Carrier Card

Pelican™ VME64/64x PMC Carrier Card

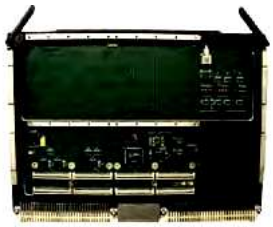
PMC modules may have user I/O pins that are vendor or application dependent. In an effort to maintain flexibility, ANSI/VITA standardized different I/O routing schemes, most of which are mutually exclusive. It was from the need to support the different routing schemes that the Pelican 64 and 64x were 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 VME64/64x PMC Carrier Card

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 VME/PMC 64x Conduction Cooled Carrier

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/PMC Carrier Card

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 PCIe/PMC Carrier Card

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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
User I/O Routing
P4V2-64ac (ANSI/VITA 35-2000 Section 2.3)
P4V2-46dz (ANSI/VITA 35-2000 Section 2.4)

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*	+3.3VDC - 0A +5VDC - ! 1A +12VDC - 0A -12VDC - 0A
Relative Humidity	5% to 90% (non-condensing)
Operating Temperature	0°C to +55°C

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

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
Flexible User I/O Routing
- Pelican64
P4V2-46dz (ANSI/VITA 35-2000 Section 2.4)
P4V2-32+32ac (ANSI/VITA 35-2000 Section 2.5)
- Pelican64x
P4V0-64 (ANSI/VITA 35-2000 Section 2.2)
P4V2-64ac (ANSI/VITA 35-2000 Section 2.3)

Technical Specs

VMEbus Interface	Fully ANSI/VITA 1.0 Compliant
PCI Bus Interface	Fully PCI 2.1 Compliant, 5V Signaling
Form Factor	Wide 6U Eurocard
Weight	8oz (unpopulated)
Power Consumption*	+3.3VDC - 0A +5VDC - ! 1A +12VDC - 0A -12VDC - 0A
Relative Humidity	5% to 95% (non-condensing)
Operating Temperature	0°C to +55°C

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

Pelican™ VME/PMC 64x Conduction Cooled Carrier General Features

33 MHz PCI Bus Interface
Programmable DMA Controller
VME A32/A24/A16 Master and Slave Addressing
Full VMEbus System Controller Functionality
Configuration LEDs
Flexible User I/O Routing
- P4V0-64 (ANSI/VITA 35-2000 section 2.2)
- P4V2-64ac (ANSI/VITA 35-2000 section 2.3)

Technical Specs

VMEBus Interface	Fully ANSI/VITA 1.0-1994 compliant
PCI Bus Interface	Fully PCI 2.1 compliant, 5V signaling
CC PMC Interface	Fully ANSI/VITA 20-2001 compliant Fully IEEE Std 1386.1-2001 compliant
Form Factor	Fully Eurocard 6U IEEE STD. 1101.2-= 1992 (2001) compliant
Weight	Approximately 2.25 lbs.
Power Consumption*	+3.3VDC - 0A +5VDC - ! 1A +12VDC - 0A -12VDC - 0A
Relative humidity	5% to 90% (non-condensing)
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +125°C

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

Pelican™ PCI/PMC Carrier Card General Features

Universal 5V or 3.3V PCI Signaling
3.3V Supply in Any PCI Slot
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. +5VDC - 0A, 2A max. +12VDC - 0A, 0.5A max. -12VDC - 0A, 0.5A max.
Relative Humidity	5% to 90% (non-condensing)
Operating Temperature	0°C to +55°C

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

Pelican™ PCI Express/PMC Carrier Card General Features

Installs in 1x, 4x, 8x, or 16x PCI Express slots
Supports 33 or 66 Mhz PMCs

Technical Specs

PCI (PMC) Bus Interface	32-bit PCI 3.0 Compliant
PCIe/PCI Bridge Interface	PCI Express Bridge 1.0 Compliant
Form Factor	Standard Height, Half Length PCIe
Weight	4.0oz (unpopulated)
Power Consumption*	+3.3VDC - 0.15A, 3A max. +5VDC - 0A, 2A max. +12VDC - 0A, 0.5A max. -12VDC - 0A, 0.5A max.
Relative Humidity	5% to 90% (non-condensing)
Operating Temperature	0°C to +55°C

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

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