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Find the *Abaco Systems / VMIC VMIPMC-7440-000* at our website: ***Click HERE***

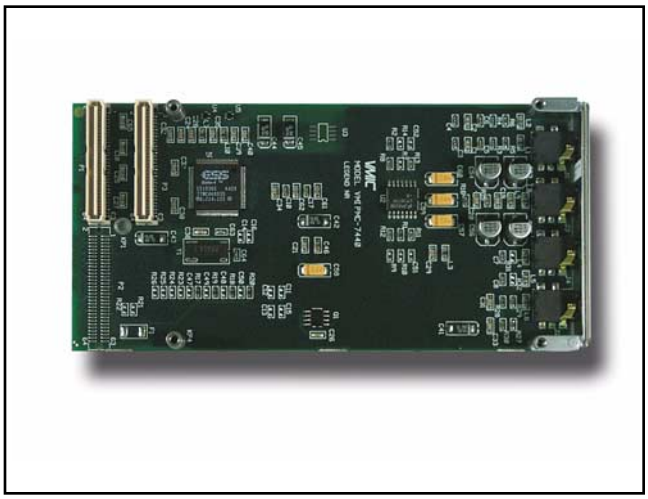
VMIPMC-7440
Sound Card

- Single, high-performance, mixed-signal, 16-bit stereo
- PCI parallel bus interface, version 2.1
- High-quality ESFM music synthesizer
- Built-in amplifier delivers to 8 Ω speakers up to 1.3 W/channel
- Dynamic range (SNR) over 80 dB
- Integrated Spatializer 3-D audio effects processor
- Record and playback features
  - Record, compress, and playback voice, sound, and music
  - 16-bit stereo ADC and DAC
  - Programmable independent sample rates from 6 kHz up to 48 kHz for record and playback
  - Full-duplex operation for simultaneous record and playback
- Mixer features
  - 7-channel mixer with stereo inputs for line, music synthesizer, digital audio (wave files), and mono inputs for microphone and speakerphone
  - Programmable 6-bit logarithmic master volume control
- External connections
  - Speakers
  - Microphone
  - Line in
  - Line out
- Power
  - Advanced power management meets ACPI standards
  - 5.0 V operation
- Compatibility
  - Supports PC games and applications for Sound Blaster and Sound Blaster Pro
  - Supports Microsoft ® Windows® Sound System
  - Meets PC 97/PC 98 and WHQL specifications
  - Microsoft Windows NT® 4.0, Windows 98 SE, and Windows 2000 supported
  - PMC IEEE-P1386 common mezzanine card, standard (5 V PCI signaling only)

INTRODUCTION — The VMIPMC-7440 is a fully integrated PMC solution providing high-quality audio processing while maintaining full legacy DOS game compatibility. With a dynamic range with more than 80 dB, the VMIPMC-7440 complies with the Microsoft PC 97/PC 98 specifications, and meets WHQL audio requirements. The VMIPMC-7440 forms a complete audio subsystem providing microphone, line in, line out, and speaker out interface via 3.5 mm stereo jacks.

PRODUCT OVERVIEW — The VMIPMC-7440 incorporates a microcontroller, ESFM music synthesizer, 3-D stereo effects processor, 16-bit stereo wave ADC and DAC, 16-bit stereo music DAC, DMA control logic with FIFO, and PCI bus interface logic.

The VMIPMC-7440 integrates field-proven hardware design for DOS game compatibility with hardware FM synthesis (ESFM) and three methods for legacy audio control interface: PC/PCI, Distributed DMA, and Transparent DMA. Transparent DMA requires no sideband signals from PC core logic chipsets in addition to the standard PCI 2. The VMIPMC-7440 can record, compress, and playback voice, sound, and music with built-in mixer controls. It supports stereo full-duplex operation for simultaneous record and playback. The ESFM synthesizer has extended capabilities within native mode operation providing superior sound and power-down capabilities. The integrated 3-D audio effects



processor uses technology from Spatializer Audio Laboratories, Inc., and expands the sound field emitted by two speakers to create a resonant 3-D sound environment. The VMIPMC-7440 is compliant with advanced configuration and power interface (ACPI) standards.

PHYSICAL/ENVIRONMENTAL

Temperature Range: 0 to 50 ° C

Storage Temperature: -40 to 85 °C

Power Requirements: 240 mA (maximum) 5 V, 440 mA (maximum) 12 V

MTBF: 868,372 hours (Bellcore)

TRADEMARKS

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Ordering Options								
Sept. 4, 2001 800-757440-000 B		A	B	C	–	D	E	F
VMIPMC-7440	–	0	0	0	–			
ABC = 000 (Options reserved for future use)								

For Ordering Information, Call:
1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859
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