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Find the *Abaco Systems / VMIC VMIVME-7686-2L1M* at our website: *Click HERE*

# VMIVME-7686, Pentium Pro processor VMEbus CPU

**100 Mbit Ethernet Fast/Wide SCSI USB Pentium Pro PROCESSOR-BASED VMEbus SBC**




- Pentium Pro processor-based CPU
- Special features for embedded applications include:
  - PMC mezzanine expansion site (IEEE-P1386 common mezzanine card standard, 5 V)
  - PMC expansion option (VMIVME-7434)
  - VME64 modes supported: A32/A24/D64/D32/D16/D08(EO)/MBLT64 /BLT32
  - VMEbus interrupt handler, interrupter, and system controller
  - Includes byte-swapping hardware for little-endian and big-endian data interfacing
  - VMISFT-9420 IOWorks Access and other IOWorks family software
  - VMISFT-7417 board support for QNX
  - VMISFT-7418 board support for VxWorks
  - VMISFT-7419 board support for LynxOS

- Standard features include:
  - Pentium Pro processors with speeds up to 180 and 200 MHz
  - Pentium Pro internal (L2) cache sizes - 256 and 512 Kbyte (200 MHz only)
  - Up to 256 Mbyte DRAM with or without parity using 72-pin SIMMs
  - 64-bit PCI SVGA controller with 2 Mbyte video DRAM
  - On-board Fast Ethernet controller with options for 10BaseT, 10Base2, and 100BaseTX interfaces
  - PCI fast/wide SCSI-2 controller with front panel interface
  - On-board enhanced IDE hard drive and floppy drive controllers
  - Two high-performance 16550-compatible serial ports
  - Enhanced parallel port with ECP/EPP modes supported
  - PS/2-style keyboard and mouse ports on front panel
  - Real-time clock and miniature speaker included
  - Universal Serial Bus (USB) on front panel

| Ordering Options | | A | B | C | - | D | E | F |
|---|---|---|---|---|---|---|---|---|
| VMIVME-7686 | - | | | | - | | | |

**A = Processor**

0 = Reserved

1 = Reserved

2 = 200 MHz Pentium Pro Processor with 256 Kbyte Secondary Cache

3 = 200 MHz Pentium Pro Processor with 512 Kbyte Secondary Cache

**B = DRAM Memory**

| | |
|---|---|
| 0 = Reserved | 7 = Reserved |
| 1 = Reserved | 8 = Reserved |
| 2 = Reserved | 9 = 64 Mbyte, No Parity |
| 3 = Reserved | J = 128 Mbyte with Parity |
| 4 = 64 Mbyte with Parity | K = 256 Mbyte with Parity |
| 5 = Reserved | L = 128 Mbyte, No Parity |
| 6 = 8 Mbyte, No Parity | M = 256 Mbyte, No Parity |

**C = Interface**

0 = VMEbus with Universe, 10Base2

1 = VMEbus with Universe, 10Base2, 10BaseT/100BaseTX

2 = Reserved

3 = No VMEbus, 10Base2

4 = No VMEbus, 10Base2, 10BaseT/100BaseTX

5 = Reserved

6 = VMEbus with Universe II, 10Base2

7 = VMEbus with Universe II, 10Base2, 10BaseT/100BaseTX

*For Ordering Information, Call 1-800-322-3616*

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