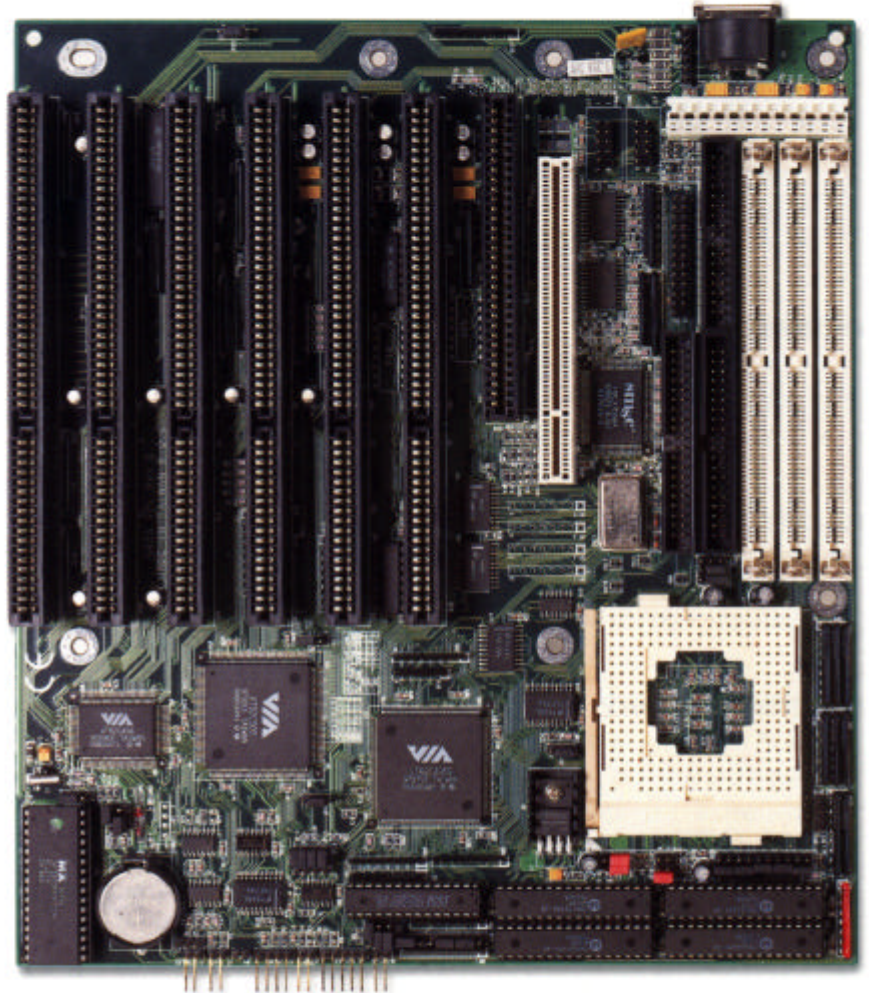


G486VPC™

INDUSTRIAL PC MOTHERBOARD

The G486VPC is ideal for a broad range of industrial applications utilizing the popular 486 class of processors. It supports up to seven expansion cards, all of which can be full-length ISA cards, on an industry standard Baby AT format motherboard. Its compact size, high reliability and large number of expansion slots make it an ideal alternative to expensive passive backplane system architectures.

One of the most important qualities of the G486VPC is that it is produced under strict revision control guidelines to provide a long and stable product life cycle. This makes it ideal for computer telephony, industrial control, medical instrumentation and other application environments where extensive testing or certification of the system is required. ITOX revision controlled motherboards reduce your long-term costs for system testing, certification and maintenance.



Features:

- Long and stable product life cycle
- 7 expansion slots; supports up to 7 full-length ISA cards
- Supports 486 class processors from Intel, AMD, Cyrix, STMicroelectronics and others
- Baby AT industry standard form factor
- High quality, long life components
- ISO 9002 certified manufacturing process
- Low cost industrial motherboard



PROCESSOR

- 5V CPUs
 - Intel DX2/66
 - SGS-THOMSON DX2/66, DX2/80
 - Cyrix DX2
- 3.3V CPUs
 - Intel 486DX4-75/100
 - AMD 486DX2-66/80NV8T, 486DX4 75/100/120NV8T, 486DX2-66/80SV8B, 486DX4-75/100/120SV8B, 5x86-P75MHz
 - Cyrix DX4-100/120
 - STMicroelectronics DX4-100, 5x86-100

CHIPSET

- VIA VT82C496G - system and cache controller
- VIA VT82C505 - PCI bridge
- VIA VT82C416 - peripheral chip

CACHE MEMORY

- 256KB
- Supports Level 1 and Level 2 write-back/write-through cache

SYSTEM MEMORY

- 1MB to 128MB in three 72-pin SIMM sockets
- Supports memory parity/non-parity-check function
- 256KBx36/x32, 1MBx36/x32, 4MBx36/x32 and 16MBx36/x32 (banks 1-3)
- 512KBx36/32, 2MBx36/32, and 8MBx36/32 (banks 1 or 2)
- Supports 60ns or 70ns DRAM

BIOS

- Award Plug and Play BIOS (Flash EPROM or EPROM)
- Supports Enhanced IDE HDDs larger than 528MB
- System and EGA/VGA BIOS shadow

ENERGY-EFFICIENT DESIGN

- Supports SMM mode and CPU stopped clock
- Microsoft APM 1.1 compliant
- EPA Energy Star compliant design
- Supports flexible event driven power management scheme and easy CPU state transition: Ready, Doze and Suspend

INTEGRATED I/O

- Uses SMC super I/O controller
- Two NS16C550A-compatible enhanced serial ports
- One ECP/EPP parallel port
- Supports 360K/720K/1.2MB/1.44MB/2.88MB floppy drives
- Two fast IDE connectors:
 - Primary IDE is a VL-Bus IDE to support two Mode 3/Mode 4 HDDs
 - Secondary IDE is an ISA IDE to support one tape drive and one ATAPI CD-ROM

PROCESSOR SOCKET

- 237-pin ZIF socket (Intel Socket 3)

CONNECTORS

- 2 serial ports
- 1 parallel port
- 2 IDE connectors
- 1 floppy connector
- 1 mini-DIN-6 PS/2 mouse
- 1 AT keyboard connector or optional mini-DIN-6 PS/2 keyboard connector

EXPANSION SLOTS (6-1-0)

- Six 16-bit ISA slots
- One shared 32-bit PCI/8-bit ISA slot

CIRCUIT BOARD

- Four layer, Baby AT form factor
- 9.84" (25 cm) x 8.66" (22 cm)