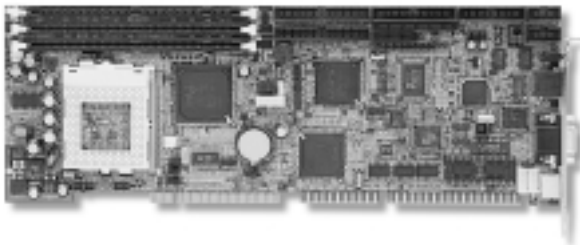# SBC8166VE

Socket 370 Celeron™/ Pentium¤ III SBC with CRT/LCD/LAN

FEATURES

- ◆ Intel¤ 440BX AGPset supports FSB 100MHz
- ◆ Celeron™/Pentium¤ III processor support
- ◆ Three DIMM sockets support up to 768MB SDRAM
- ◆ C&T 69000 AGP VGA controller with 2MB video memory
- ◆ Onboard 10/100BASE-T, optional Wake On LAN support
- ◆ ISA High Drive support
- ◆ Onboard DiskOnChip¤ socket

SPECIFICATIONS

Processor/Cache	Intel¤ Pentium¤ III processors up to 1GHz with 256KB of L2 cache Intel¤ Celeron™ processors up to 1GHz with 128KB of L2 cache
Chipset	Intel¤ 82440BX AGPset
System Memory	Three DIMM sockets for up to 768MB of SDRAM with ECC support
BIOS	Award 2MB PnP Flash BIOS
EIDE	Two independent channels for a total of four IDE devices; ATA-33 support
Super I/O	Controller: Winbond W83977 Serial Port: Two asynchronous, 1 x RS-232/1 x RS-232/422/485, 10-pin Parallel Port: One bi-directional with ECP/EPP/SPP support, 26-pin Floppy Controller: Supports for two drives (1.44MB for each) Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard One internal 5-pin box-header for mouse One internal 5-pin box-header for keyboard
USB	Two USB ports
IrDA	One IrDA pin-header for wireless communications
VGA	Controller: C&T69000 AGP VGA controller Max. Resolution: CRT up to 1280 x 1024 @ 256 colors; LCD up to 1024 x 768 @ 16 bit colors Graphic Memory: Onboard 2MB SDRAM
LAN	Controller: Intel¤ 82559 Supports 10/100BASE-T; RJ-45 output; Optional Wake On LAN support
Connectors	D-type: CRT (female DB-15); LAN (RJ-45); PS/2 Mouse and PS/2 Keyboard; Pin-header: LCD (1 x 44-pin & 1 x 20-pin); PS/2 Mouse (1 x 5-pin); PS/2 Keyboard (1 x 5-pin); USB (2 x 5-pin); Serial Port (2 x 10-pin); Parallel Port (1 x 26-pin); FDD (1 x 34-pin); EIDE (2 x 40-pin)
SSD	Onboard DiskOnChip¤ socket
Hardware Monitoring	Detection of CPU temperature, system temperature, power failure and fan failure
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (64-level)
ISA High Drive	ISA drive up to 64mA
OS Compatibility	PC and MS-DOS™ ; Windows¤ 3.x; Windows¤ 95; Windows¤ 98; Windows¤ NT 4.0, Windows¤ 2000; Novell Netware; QNX™ ; Linux Red Hat; Salaris UNIX
MTBF	GEM reports at least 50,000 hours
Mechanical	338 x 122mm (13.3" x 4.8") Conforms to IEEE P996 PC/AT bus, PCI Rev. 2.1 and PICMG Rev.2.0 standards
Environmental	Operating Temperature: 0ßC to 60ßC (32ßF to 140ßF); Storage Temperature: -20ßC to 85ßC (-4ßF to 185ßF) non-condensing at temperature of 40ßC or 104ßF

ORDERING INFORMATION

SBC8166VE Socket 370 Celeron™/ Pentium¤ III SBC with CRT/LCD/LAN
SBC8166V   Socket 370 Celeron™/ Pentium¤ III SBC with CRT/LCD

Note: All specifications are subject to change without notice.