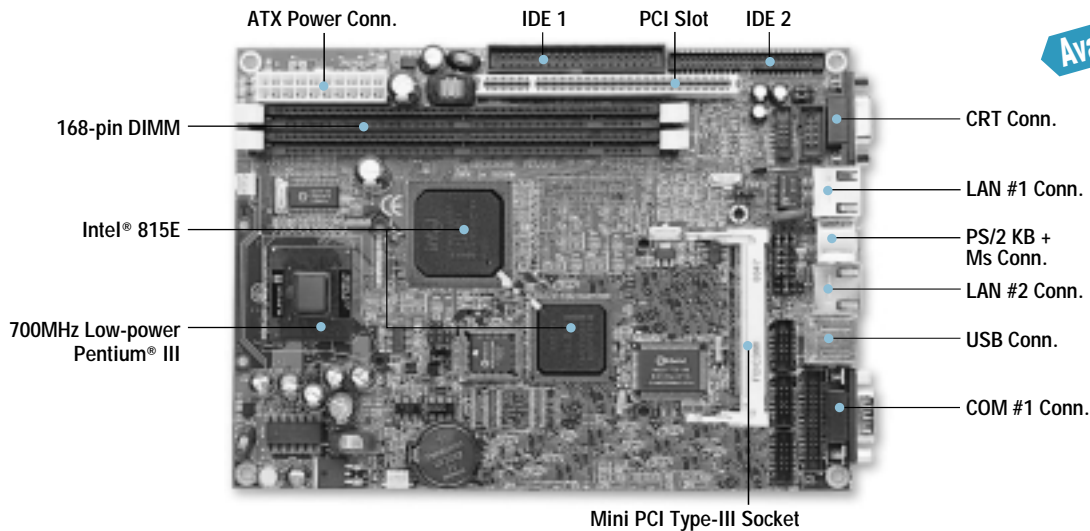


SBC83681VEA

5.25" Size	All-in-One	Ethernet	SSD
PCI	CRT	USB	Flash BIOS
Pentium® III	Audio		IrDA

Low-power Intel® Pentium® III Embedded SBC with CRT/TV and Hub Architecture



SPECIFICATIONS

Processor Footprint	* BGA2 Footprint for Intel® Pentium® III/Celeron™ BGA2 CPU
Chipset	* Intel® 815E Core Logic Controller
Bus Clock	* 100MHz
Processor	* Intel® Celeron™ /Pentium® III 300MHz ~ 700MHz * Intel® Pentium® III 700MHz to be the Default Onboard
Cache Size	* L2 Cache RAM Integrated in CPU
Memory	* Two 168-pin DIMM Socket: Max. SDRAM up to 512MB
On-board IDE	* 2 Channels up to 4 Devices (IDE1 x 44-pin, IDE2 x 40-pin) * PIO Mode 0-4, DMA Mode 0-2 and Ultra DMA/33/66/100 (LS-120 & ZIP Bootable)
On-board Multi I/O	* One Floppy Port Supports up to 1 Devices (26-pin FPC Connector) * One SPP/EPP/ECP Parallel Port, (LS-120 Supported) * Two 16550 UARTs Compatible Serial Ports with +5V/+12V Power Output in Pin 1 or Pin 9 via Jumper Setting: 1 x RS-232, 1 x RE-232/422/485 Jumper Selectable * One IrDA (Pin-header) for Wireless Communication
Universal Serial Bus	* 4 Ports with Fuse Protection and Complies with USB Spec. Rev. 1.1A * First 2 Ports with Double Deck D-type Connector Onboard
Keyboard / Mouse	* PS/2 Type with D-type Connector onboard
Board ID	* DS2401 for Hardware Board Unique ID Function
BIOS	* AWARD BIOS, DMI and Plug and Play Compliant in 4Mbit Flash ROM * Integrated SmartView VGA BIOS and Novell Ethernet Boot ROM Functions
RTC	* Integrated in Intel® 82801BA ICH*2 Controller and Lithium Battery Backup
Power Management	* ACPI (Advance Configuration and Power Interface)
Hardware Monitoring	* Integrated in LPC Multi I/O Controller * Monitoring for CPU/System Temperature, System Voltage and Chassis/Fan Speed
On-board Display	* Integrated in Intel® 815E-B AGP Controller for CRT and Optional TV-out Output * Display Memory via UMA from 2/4/8/16/32MB and Support D.V.M.T. Function * Max. Resolution ~ Up to 1600 x 1200 in 8bit Colors @ 85Hz
On-board Ethernet	* Integrated in Intel® 82801BA ICH*2 with External Intel® 82562EM PHY for 10/100M Base-T Ethernet with Wake-On-LAN Function (via ATX Power Supply)
On-board Audio	* AC97 Codec with Rev. 1.3, 2.0 and 2.1 Compliant * 3D Sound Supported; 16-bit Stereo Synthesis and OPL3 Emulation * Full-duplex Operation for Simultaneous Record and Playback * Internal MIC-in, Line-in and Line-out/Speaker-out (Jumper Selectable) Interface Reserved
On-board SSD	* CompactFlash™ Socket Jumper Selectable to be Primary Master or Slave and Bootable
Extension	* One PICMG Compliant PCI Slot for PCI Expansion * One Mini PCI Type-III 124-pin Socket (with LAN Single Loop-out & AC-link In)
Other Features	* Windows® 98/Me/2000/XP Software-off

ORDERING INFORMATION

SBC83681VEA-700	Low Power Intel® Pentium® III SBC with Onboard 700MHz CPU, CRT, Fast Ethernet and Audio
SBC83681VEA-700TV	Low Power Intel® Pentium® III SBC with Onboard 700MHz CPU, CRT/TV-out, Fast Ethernet and Audio