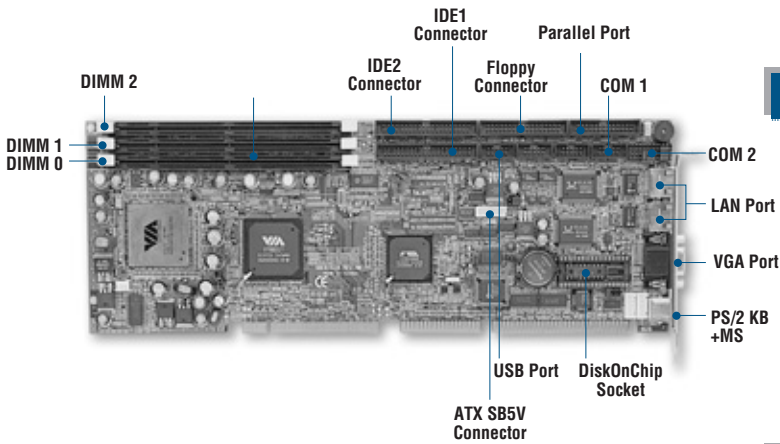


SBC81610

Low-power VIA C3 PICMG 1.0 Full-size SBC with VGA/Dual LAN

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Industrial PCs



Features

- ▶ VIA C3 800/1GHz Desktop processors with FSB 100/133MHz
- ▶ Three PC133 SDRAM DIMM onboard support up to 1.5GB memory capacity
- ▶ Onboard dual LAN 10/100Mbps
- ▶ Onboard DiskOnChip® Socket

Specifications

Processor/Cache	VIA C3 800MHz processor up-to-date frequency with L2 cache integrated in CPU VIA C3 800MHz processor up-to-date frequency with L2 cache integrated in CPU
Chipset	VIA VT8601T+VIA686B
FSB Speed	100/133MHz
Form Factor	PICMG 1.0 full-size SBC
System Memory	Three PC133 SDRAM DIMM onboard support the maximum memory capacity up to 1.5GB
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	Two ATA66/100/133 channels for a total of four IDE devices
Super I/O	Controller: Winbond 83627HG-AW Serial port: 1x RS-232 port/1x RS-232/422/485 port Parallel port: One bi-directional with ECP/EPP/SPP support (by pin-header) Floppy controller: Supports two drives (1.44MB for each) Keyboard/Mouse: 6-pin Mini-Din connector for mouse or keyboard
USB	Two USB ports (1.1)
Display	Integrated in VIA VT8601T (for CRT only) Maximum resolution could be up to 1600x1200, 256 colors Graphic memory: Onboard 2~8MB SDRAM via UMA Onboard DiskOnChip® support
SSD	Onboard DiskOnChip® support
Ethernet	LAN1/LAN2: Realtek RTL8139C+ Ethernet controller supports 10/100Mb (for SBC81610VEE only) LAN1: Realtek RTL8139C+ Ethernet controller supports 10/100Mb (for SBC81610VE only) Wake On LAN support
Connectors	RJ-45 connector: 2 ports for SBC81610VEE/1 port for SBC81610VE Box-header: 2 x serial port (2 x 5-pin); 1 x parallel port (2 x 13-pin) 1 x FDD (2 x 17-pin); 2 x EIDE (2 x 20-pin); 1 x 6-pin ACPI connector Keyboard/Mouse: 5-pin wafer connector x 2 for mouse or keyboard
Hardware Monitoring	Controller: Winboard 83627HG-AW Detection of CPU temperature, system temperature, power failure and fan speed
Other Features	Built-in ITE8888F for ISA devices
Watchdog Timer	System reset or non-maskable interrupt software programmable time interval and jumper selectable (64 level)
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux Red Hat
Mechanical	338.5 x 122mm 4 layer PCB
Environmental	Operating Temperature: 0°~ 60°C (32° ~140°F) Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F

Ordering Information

Models	Description
SBC81610VEE	VIA C3 800/1GHz PICMG 1.0 full-size SBC w/ VGA, dual Ethernet LAN
SBC81610VE	VIA C3 800/1GHz PICMG 1.0 full-size SBC w/ VGA, Ethernet LAN

Packing List

Description
FDD cable x 1
Ultra ATA66/100 HDD cable x 1
Printer port cable x 1
COM port cable x 1
Y cable for PS/2 keyboard/mouse x 1
Jumper pack x 1
Quick manual x 1
Utility CD x 1

Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Rackmount Peripherals & Accessories