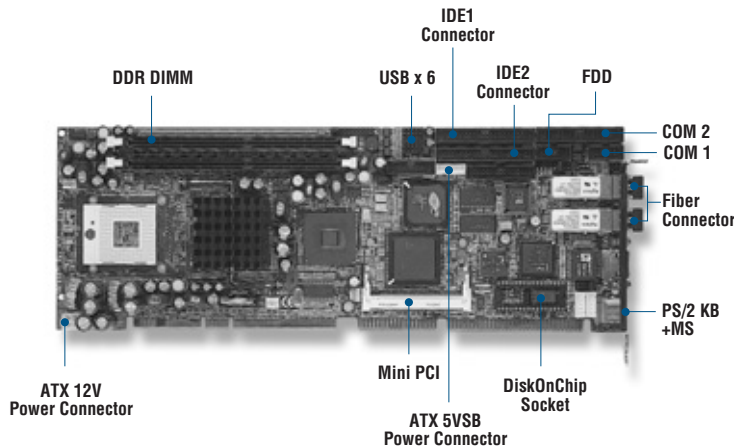


SBC81871

Socket 479 Intel® Pentium® M PICMG 1.0 Full-size SBC with CRT/Gigabit LAN

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Industrial PCs



Features

- ▶ Socket 479 for Intel® Pentium® M/Celeron® M mobile processor with FSB 400/533MHz
- ▶ Two 184-Pin DDR DIMM slots support up to 4GB memory capacity
- ▶ Onboard ATI RageXL Graphic Integrated 8MB RAM
- ▶ Mini-PCI socket onboard
- ▶ Supports 6 USB 2.0 ports

Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Rackmount Peripherals & Accessories

Specifications

Processor/Cache (Socket 479)	Intel® Pentium® M processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Celeron® M processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® E7501+ICH4
FSB Speed	400/533MHz
Form Factor	PICMG 1.0 full-size SBC
System Memory	Two 184 pin DDR DIMM slots support dual channel DDR 266/333/400 The maximum memory capacity could be up to 4GB registered DIMM
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	Two ATA66/100/133 channels for a total of four IDE devices
Super I/O	Controller: Winbond W83627HG-AW Serial port: 1 port for RS-232/422/485 (COM1) and 1 port for RS-232 (COM2) Parallel port: One bi-directional with ECP/EPP/SPP support Floppy controller: Supports two drives (1.44MB for each) Keyboard/mouse: 6-pin Mini-DIN connectors for mouse or keyboard
USB	6 USB 2.0 high speed compliant
Display	ATI Rage XL Graphic Chipset and built-in 8MB RAM
Ethernet	LAN1/LAN2: Intel® 82546GB (for SBC81871V2G only) LAN1: Intel® 82541PI Ethernet controller supports 10/100/1000Mb (for SBC81871VG only) Wake On LAN support PXE 2.0 function (optional function)
Connectors	RJ-45 connector: 2 ports for SBC81871V2G/1 port for SBC81871VG Mini-Din connector for PS/2 mouse and keyboard Mini-PCI connector for Mini-PCI devices Box-header: 4 x serial port (2 x 5-pin); 1 x parallel port (2 x 13-pin) 1 x FDD (2 x 17-pin); 1 x EIDE (2 x 20-pin); 1 x 6-pin ACPI connector; 1 x CRT connector (2 x 8-pin) Pin-header: 6 x USB (4 ports by pin-header) Power Connector: 2 x 2-pin for 12V connector Keyboard/mouse: 5-pin wafer connector x 2 for mouse or keyboard 8 pin connector for thermal detected board Fan connector x 3
Onboard SSD	DiskOnChip® support
Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (64 level)

Specifications

Other Features	Built-in ITE8888F for ISA devices
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux Red Hat
Mechanical	335 x 122mm 10 layer PCB Compliant to PICMG Rev2.0 standard (Supports 64 bit backplane)
Environmental	Operating Temperature: 0°~60°C (32°~140°F) Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F
Backplane	ATX90331/3VP2, ATX90361/6VP4

Ordering Information

Models	Description
SBC81871V2G	Socket 479 Intel® Pentium® M PICMG 1.0 SBC full-size w/ VGA, audio, dual LAN
SBC81871V2F	Socket 479 Intel® Pentium® M PICMG 1.0 SBC full-size w/ VGA, audio, Fiber x 2 (MOQ: 50 pcs)
SBC81871VG	Socket 479 Intel® Pentium® M PICMG 1.0 SBC full-size w/ VGA, audio, 10/100 LAN

Packing List

Description
FDD cable x 1
IDE HDD cable x 1
Serial ATA cable x 1
Jumper pack x 1
Quick manual x 1
Utility CD x 1